BULLETIN
OF
NORTHWESTERN UNIVERSITY

ANNUAL CATALOGUE

1967-1968

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Catalog

Northwestern University

1907-8

1908-9

1909-10

Only one of these years

Mrs. Grossman

Evanston

BULLETIN OF

Northwestern University

ANNUAL CATALOGUE

1907-1908

EVANSTON AND CHICAGO
PUBLISHED BY THE UNIVERSITY
1908

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1908

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1909

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CALENDAR

1907

Sept. 23, Mon.	Academic year 1907-08 begins.
Sept. 23, Mon.	Examinations for admission, College of Liberal Arts.
Sept. 23, Mon.	First day of registration, College of Liberal Arts, Law School, School of Pharmacy.
Sept. 24, Tue.	Registration of applicants for advanced standing, Law School.
Sept. 24, Tue.	First quarter begins, examination for admission to regular course, School of Music.
Sept. 25, Wed.	Second examinations, College of Liberal Arts.
Sept. 25, Wed.	Special registration, Law School.
Sept. 26, Thu.	Class work begins, College of Liberal Arts, Law School, School of Pharmacy, School of Music.
Oct. 1, Tue.	Examinations for admission and registration, Medical School.
Oct. 1, Tue.	Class work begins, Medical School.
Oct. 1, Tue.	Examinations for advanced standing, class work begins, Dental School.
Oct. 10, Thu.	Last day for the registration of candidates for advanced degrees.
Nov. 28, Thu.	Thanksgiving Recess to Sunday, December 1, inclusive.
Dec. 2, Mon.	Second quarter begins, School of Music.
Dec. 4, Wed.	Last day for filing titles of theses for advanced degrees, College of Liberal Arts.
Dec. 21, Sat.	Christmas Recess begins.

1908

Jan. 6, Mon.	Class work begins, Dental School, School of Pharmacy.
Jan. 7, Tue.	Class work begins, College of Liberal Arts.
Jan. 10, Fri.	Last day for the presentation of orations for the Kirk Prize.
Jan. 14, Tue.	Alumni Clinic, Dental School.
Jan. 27, Mon.	Mid-year examinations begin, Medical School.
Jan. 28, Tue.	Founders' Day.
Jan. 29, Wed.	Mid-year examinations begin, Dental School.

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Jan. 30, Thu.	Day of Prayer for Colleges.
Feb. 3, Mon.	Second semester begins, Medical School.
Feb. 3, Mon.	Mid-year examinations begin, Law School.
Feb. 5, Wed.	Mid-year examinations begin, College of Liberal Arts, School of Music.
Feb. 7, Fri.	Second semester begins, Dental School.
Feb. 10, Mon.	Second semester begins, Law School.
Feb. 13, Thu.	Additional examinations begin, College of Liberal Arts.
Feb. 13, Thu.	Third quarter begins, School of Music.
Feb. 14, Fri.	Second semester begins, College of Liberal Arts.
Feb. 18, Tue.	Class work begins, College of Liberal Arts.
Feb. 21, Fri.	Sargent Prize Contest, College of Liberal Arts.
Feb. 22, Sat.	Washington's Birthday.
Mar. 6, Fri.	Kirk Prize Oratorical Contest.
Apr. 6, Mon.	Examinations begin, School of Pharmacy.
Apr. 9, Thu.	First lecture in the course of Norman W. Harris Lectures for 1908.
Apr. 13, Mon.	Spring term begins, School of Pharmacy.
Apr. 16, Thu.	Fourth quarter begins, School of Music.
Apr. 17, Fri	Easter Recess, to April 20, inclusive, College of Liberal Arts, Medical School, School of Music.
Apr. 20, Mon.	Second examinations, College of Liberal Arts.
Apr. 24, Fri.	Towle Prize Debate, Law School.
May 4, Mon.	Last day for the presentation of Harris Prize theses, College of Liberal Arts.
May 9, Sat.	Last day for the presentation of theses for advanced degrees, College of Liberal Arts.
May 14, Thu.	Senior examinations begin, Dental School.
May 20, Wed.	Senior examinations begin, Medical School.
May 21, Thu.	Junior examinations begin, Dental School.
May 22, Fri.	Senior lectures close, Law School.
May 23, Sat.	Examination of candidates for advanced degrees, College of Liberal Arts.
May 25, Mon.	Examinations for seniors begin, Law School, School of Pharmacy.
May 25, Mon.	Regular examinations begin, Medical School.
May 27, Wed.	Regular lectures close, Law School.
May 28, Thu.	Alumni Banquet, Law School.
May 30, Sat.	Inter-Scholastic Track and Field Meet, Evanston.
May 30, Sat.	Memorial Day.
May 31, Sun.	Baccalaureate Sermon.
June 1, Mon.	Summer courses begin, Medical School.

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June 1, Mon. Practitioners' summer course begins, Dental School.
June 1, Mon. Commencement Dinner, Dental School.
June 1, Mon. Annual concert of Alumni and Graduating class, School of Music.
June 2, Tue. Annual meeting of the Corporation.
June 2, Tue. Alumni Banquet, Medical School.
June 2, Tue. Annual meeting of the Phi Beta Kappa Society.
June 3, Wed. University Day.
June 3, Wed. Annual Address before the Phi Beta Kappa Society.
June 4, Thu. THE FIFTIETH ANNUAL COMMENCEMENT.
June 5, Fri. Regular examinations begin, College of Liberal Arts, Law School, School of Music.
June 8, Mon. Junior examinations in course for Pharmaceutical Chemist.
June 9, Tue. Graduating Concert Diploma Course, School of Music.
June 12, Fri. Laboratories close, School of Pharmacy.
June 12, Fri. Commencement and concert, Certificate Class, School of Music.
June 15, Mon. Additional examinations, College of Liberal Arts.
June 16, Tue. Summer vacation begins, College of Liberal Arts.
June 27, Sat. Last day of Practitioners' Course, Dental School.
July 31, Fri. Summer courses end, Medical School.

1908-1909

Sept. 22, Tue. Examinations for admission to regular courses, School of Music.
Sept. 24, Thu. First quarter begins, School of Music.
Sept. 28, Mon. Examinations for admission, College of Liberal Arts.
Sept. 28, Mon. First day of registration, College of Liberal Arts, Law School, School of Pharmacy.
Sept. 29, Tue. Registration day for applicants for advanced standing, Law School.
Sept. 30, Wed. Second examinations, College of Liberal Arts.
Sept. 30, Wed. Special registration, Law School.
Oct. 1, Thu. Lectures and class work begin, College of Liberal Arts, Law School, School of Pharmacy.
Oct. 2, Fri. Examinations for conditioned students begin, Medical School.
Oct. 5, Mon. Examinations for admission, Medical School.
Oct. 6, Tue. Examinations for admission, Dental School.
Oct. 6, Tue. Class work begins, Medical School, Dental School.

1908-1909

Oct. 10, Sat. Last day for the registration of candidates for advanced degrees, College of Liberal Arts.
Nov. 26, Thu. Thanksgiving recess to November 29, Sunday, inclusive.
Nov. 30, Mon. Second quarter begins, School of Music.
Dec. 2, Wed. Last day for filing titles of theses for advanced degrees, College of Liberal Arts.
Dec. 23, Wed. Christmas recess, December 23, to Monday, January 4, inclusive.

1909 1908-1909

Jan. 4, Mon. Class work begins, Medical School, Dental School.
Jan. 5, Tue. Class work resumed in the College of Liberal Arts, Law School, School of Pharmacy, School of Music.
Jan. 15, Fri. Intercollegiate Debate.
Jan. 25, Mon. Mid-year examinations begin, Medical School.
Jan. 27, Wed. Mid-year examinations begin, Dental School.
Jan. 28, Thu. Founders' Day.
Jan. 28, Thu. Lectures close, Law School.
Feb. 1, Mon. Mid-year examinations begin, Law School.
Feb. 1, Mon. Second semester begins, Medical School.
Feb. 3, Wed. Mid-year examinations begin, College of Liberal Arts.
Feb. 8, Mon. Second semester begins, Law School, Dental School.
Feb. 11, Thu. Additional examinations, College of Liberal Arts.
Feb. 11, Thu. Third quarter begins, School of Music.
Feb. 12, Fri. Second semester begins, College of Liberal Arts.
Feb. 15, Mon. Second examinations, College of Liberal Arts.
Feb. 16, Tue. Class work resumed, College of Liberal Arts.
Feb. 19, Fri. Sargent Prize Contest, College of Liberal Arts.
Feb. 22, Mon. Washington's Birthday.
Mar. 5, Fri. Kirk Prize Oratorical Contest.
Apr. 5, Mon. Examinations begin, School of Pharmacy.
Apr. 9, Fri. Easter Recess to Monday, April 12, inclusive, College of Liberal Arts, Medical School, School of Music.
Apr. 12, Mon. Second examinations, College of Liberal Arts.
Apr. 12, Mon. Spring term begins, School of Pharmacy.
Apr. 15, Thu. Commencement, Graduate in Pharmacy Course, School of Pharmacy.
Apr. 15, Thu. Fourth quarter begins, School of Music.
Apr. 23, Fri. Towle Prize Debate, Law School.
May 1, Sat. Last day for presentation of Harris Prize theses, College of Liberal Arts.

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May 8, Sat. Last day for presentation of theses for advanced degrees, College of Liberal Arts.
May 14, Mon. Examinations begin, Dental School.
May 22, Sat. Examination of candidates for advanced degrees, College of Liberal Arts.
May 24, Mon. Examinations begin, Medical School.
May 24, Mon. Examinations begin in course for Pharmaceutical Chemist.
May, 24, Mon. Examinations for seniors begin, Law School.
May 26, Wed. Lectures close, Law School.
May 29, Sat. Inter-Scholastic Track and Field Meet, Evanston.
May 30, Sun. Baccalaureate Sermon.
May 31, Mon. Class Day, College of Liberal Arts.
May 31, Mon. Alumni Banquet, Medical School.
May 31, Mon. Annual concert of Alumni and Graduating class, School of Music.

June 1, Tue. Annual meeting of the Corporation.
June 1, Tue. Annual meeting of the Phi Beta Kappa Society.
June 2, Wed. University Day.
June 2, Wed. President's annual reception.
June 3, Thu. THE FIFTY-FIRST ANNUAL COMMENCEMENT.
June 4, Fri. Examinations begin, College of Liberal Arts, Law School, School of Music.
June 8, Tue. Graduating concert, Diploma course, School of Music.
June 10, Thu. Annual banquet, Law School Alumni.
June 11, Fri. Commencement and Concert, Certificate Course, School of Music.
June 14, Mon. Additional examinations, College of Liberal Arts.
June 15, Tue. Summer vacation begins, College of Liberal Arts.
June 22, Tue. Summer School begins.
July 31, Sat. Summer School closes.

THE UNIVERSITY

On the last day of May, in the year 1850, there met in the City of Chicago, at the office of Grant Goodrich, 109 Lake Street, near Dearborn, nine men, Richard A. Blanchard, Jabez K. Botsford, Andrew J. Brown, Henry W. Clark, John Evans, Grant Goodrich, Zadoc Hall, Richard Haney, and Orrington Lunt, to consider the founding of a university in the vicinity of Chicago. They agreed that "the interests of Christian learning demand the immediate establishment of a University in the North-West," and appointed a committee to petition the General Assembly for a charter. On January 28, in the next year, 1851, Governor French signed the Act that incorporated Northwestern University under the title of "the Trustees of the Northwestern University." The name of the corporation has since been changed from "the Trustees of the Northwestern University" to Northwestern University.

The first Board of Trustees consisted of thirty-six persons, representatives of annual conferences of the Methodist Episcopal Church and citizens of Chicago and vicinity. The corporation as at present constituted consists of thirty-six trustees elected by the Board itself, and two elected by each of four annual conferences of the Methodist Episcopal Church, making a total of forty-four trustees.

The charter provides that a majority of the Board must be members of the Methodist Episcopal Church, but as carefully provides that no particular religious faith shall be required of those who become students at the institution.

A series of amendments has further provided that other chartered institutions may become departments of the University; that all property of whatever kind or description belonging to or owned by the said corporation shall be forever free from taxation for any and all purposes; and that no spirituous, vinous, or fermented liquors shall be sold under license or otherwise, within four miles of the location of said University. The city of Evanston has carefully enforced this last amendment.

After considering several locations in the vicinity of Chicago, the Trustees selected for the University a tract of land on the shore of Lake Michigan, twelve miles north from the heart of Chicago, and covered by an unbroken forest. Here in 1853 the first University building was erected, and about this location has grown up the City of Evanston, a beautiful residential city of twenty thousand inhabitants. The professional departments of Medicine, Law, Pharmacy, and Dentistry for the sake of efficiency have been located in the City of Chicago.

The charter of the University and its statutes and by-laws have been printed and may be obtained on application at the offices of the Business Manager and of the President.

THE CORPORATION

Officers

William Deering.....Honorary President
William Fraser McDowell, D.D., LL.D.....President
Oliver Harvey Horton, LL.D.....First Vice-President
Humphreys Henry Clay Miller, A.M.....Second Vice-President
Frank Philip Crandon, A.M.....Auditor and Secretary
John Richard Lindgren.....Treasurer
William Andrew Dyche, A.M.....Business Manager and Assistant Secretary

Trustees Elected by the Corporation

TERM EXPIRES IN 1908

Josiah J. Parkhurst.....Evanston
David McWilliams.....Dwight
Charles Pinckney Wheeler, A.M.....Evanston
Cornelia Grey Lunt.....Evanston
Henry Howard Gage.....Evanston
Edward Foster Swift.....Chicago
William Fraser McDowell, D.D., LL.D.....Chicago

TERM EXPIRES IN 1909

Norman Wait Harris.....Chicago
Nathan Smith Davis, A.M., M.D.....Chicago
John Richard Lindgren.....Evanston
Humphreys Henry Clay Miller, A.M.....Evanston
Elbert Henry Gary.....New York
Milton Hollyday Wilson.....Evanston
Alexander Hamilton Revell.....Chicago
Henry Sherman Boutell, A.M., LL.D.....Chicago

TERM EXPIRES IN 1910

Harlow Niles Higinbotham.....Chicago
William Henry Henkle.....Chicago
Stephen Joseph Herben, D.D.....Evanston
Henry Sargent Towle, LL.B.....Chicago
James A. Patten.....Evanston
George Peck Merrick, LL.B.....Evanston
William Liston Brown.....Evanston

TERM EXPIRES IN 1911

Oliver Harvey Horton, LL.D.....Chicago
William Deering .....Evanston
Merritt Caldwell Bragdon, A.M., M.D.....Evanston
James Bartlett Hobbs.....Chicago
Frank Philip Crandon, A.M.....Evanston
M. Cochrane Armour.....Evanston
William Andrew Dyche, A.M.....Evanston
Perley Lowe .....Chicago
Lucy Davis Rowe.....Evanston

Trustees Elected by Conferences

Thomas Ransom Strobridge, A.M., D.D., Rock River.....Rockford
William Orville Shepard, D.D., Rock River.....Chicago
William Dawe, D.D., Detroit.....Ann Arbor
Matthew Chantrill Hawks, D.D., Detroit.....Sault Ste. Marie
George Rutledge Palmer, A.M., D.D., Central Illinois.....Onarga
Jacob Wellington Frizzelle, A.M., B.D., Central Illinois...Galesburg
Wilbur Israel Cogshall, D.D., Michigan.....Ionia
Lambert Edgar Lennox, D.D., Michigan.....Grand Rapids

The General Executive Committee

M. Cochrane Armour
William Liston Brown
Frank Philip Crandon
William Deering
William Andrew Dyche
Henry Howard Gage
Abram Winegardner Harris
James Bartlett Hobbs
Oliver Harvey Horton
John Richard Lindgren
William Fraser McDowell
George Peck Merrick
Humphreys Henry Clay Miller
Josiah J. Parkhurst
James A. Patten
Charles Pinckney Wheeler
Milton Hollyday Wilson

Standing Committees

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GROUNDS, BUILDINGS, AND EQUIPMENT

Grounds and Buildings

The University Campus in Evanston has an area of about seventy-five acres and is beautifully situated on the shore of Lake Michigan, about two miles from the northern limits of the city of Chicago. On it are the buildings of the College of Liberal Arts, Garrett Biblical Institute, the Academy, and the Northwestern University School of Oratory. The School of Music and the women's dormitories—Willard Hall, Pearsons Hall, and Chapin Hall—are on Willard Hall Campus, distant from the University Campus about three minutes' walk. The Medical School is in Chicago, between 24th and 25th Streets on Dearborn. The Schools of Law, Pharmacy, and Dentistry are in the University Building, at the corner of Lake and Dearborn Streets.

A detailed statement of the University buildings is given below.

THE COLLEGE OF LIBERAL ARTS

University Hall, a capacious stone structure of attractive architecture, was erected in 1869. It contains the President's office, the administrative offices of the College, the botanical, geological, and zoölogical laboratories, lecture and recitation rooms, and private offices of professors.

Fayerweather Hall of Science, erected in 1886, was the gift of the late Mr. D. B. Fayerweather, of New York. It is constructed of stone and red pressed brick, with terra-cotta trimmings. The front is 130 feet, and the depth 60 feet. At the rear are two wings, extending 54 feet, enclosing a court in which the power house for the building is located. It is divided into two sections, for chemistry and physics, separated by a fireproof wall. The mineralogy section of the museum and the mineralogical laboratories are on the chemistry side of this building.

Orrington Lunt Library—This is a structure of Bedford limestone, erected in 1893, largely from a gift by the late Mr. Orrington Lunt, of Evanston, one of the charter members of the Board of Trustees and for some time its president. Its dimensions are 162 by 73 feet. The main floor contains a room for book storage, directly

connected with a second book-room in the basement, a reading room, and offices of administration. On the second floor is an auditorium with seating capacity for three hundred, a large lecture-room now occupied by the Art Collection, recently donated to the University by the University Guild, and other apartments for class, seminary, and office use. In the third story, which extends over the central section of the building, and in the well-lighted basement, are rooms used for recitations and for general University purposes.

Dearborn Observatory—The Observatory is a substantial stone building, erected in 1888 through the generosity of Mr. James B. Hobbs, of Chicago, a Trustee of the University. Its length from north to south is 81 feet, and its greatest breadth is 71 feet. It includes a dome for the great Equatorial, a Meridian Circle room, a Library, and eight additional rooms, the whole being arranged especially for convenience in carrying on astronomical work.

The great equatorial refracting telescope was made by Alvan Clark & Sons, of Cambridge, Massachusetts, in 1861. It is fitted with driving clock, micrometer, and other appliances necessary for first-class work. The dimensions of the Equatorial are: diameter of declination circle, 30 inches, reading by vernier to five minutes, and by two microscopes to ten seconds of arc; diameter of hour circle, 22 inches, reading by vernier to single minutes, and by microscopes to single seconds of time; focal length of telescope, 23 feet; aperture to object glass, 18½ inches.

The meridian circle is of the first class, and was constructed in 1867, by Messrs. A. Repsold and Sons, of Hamburg. This instrument has an object glass of six French inches aperture, and a divided circle of forty inches diameter, reading by four microscopes. In plan of construction it is like Bessel's celebrated Königsberg circle by the same makers, but has some recent improvements in the mode of illuminating the field of view, together with apparatus for registering declinations. Hough's printing and recording chronographs are used for recording meridian observations and other phenomena.

The Observatory has a chronometer, William Bond and Son, No. 279, and three mercurial pendulum clocks

Old College—This building, which was the first to be erected by the University, originally stood on the corner of Hinman Avenue and Davis Street, and for many years was the only building which the University used for educational purposes. It was moved to the Campus in 1871, and was enlarged for the use of the Academy. Since 1899, when the Academy was transferred to Fisk Hall, it has been used for college class-room purposes.

The Swift Hall of Engineering—The design of the Swift Hall of Engineering, George W. Maher, architect, now in course of con-

struction on Northwestern University Campus, Evanston, marks a new era in college architecture. The purpose of the design is not only to emphasize present-day themes in the realm of art, but also the practicability of such a design for the purposes intended.

Light and ventilation are of the first import in an educational building, and in this design the facade lends itself to ample window treatment. These windows are relieved of any monotony by means of a strong band motif which forms in parallelogram around the facade. This band course rises from the base of the building, at the ends, forming strong corners and returning over the top of the windows, combines the frieze and cornice treatment in one. In the center of the main facade are two huge wall supports, moulded and ornamented, dividing the elevation into three equal sections. These supports rise organically from either side of the main entrance, obtaining stability to the elevation and support for the frieze and cornice treatment.

The building is constructed of stone and the lines employed are chaste in the extreme. The horizontal effects predominate and all projections are subdued, the value of simplicity being thus enhanced. The main entrance loggia is directly in the center of the facade. The wide approach of steps extend to abutments on either side, which support large bronze lamps.

The first floor consists of a large entry hall, which is the feature of the main floor. The walls are faced with press brick, while the piers and pilasters supporting the beam ceiling are of stone. The floors are laid with vitrified tile. Directly off this reception hall are entrances to the lecture room, hydraulic laboratory, and offices. Broad and easy stairs lead to respective floors above and below, which are planned to accommodate offices for the faculty; the engine, mechanical and dynamo laboratories; library, drawing rooms, and class rooms.

The building is 126 feet wide and 58 feet deep; it is practically four stories in height and modern in every respect. The heating and ventilating are by the blast system, which forces fresh warm air into the building and exhausts foul air.

This is the first of a series of buildings to be arranged on the proposed new plans for the Campus. It is located on the lake shore east of Orrington Lunt Library. This building, which will cost $100,000, is the gift of Mrs. Gustavus F. Swift. The maintenance of the building is endowed to the extent of $50,000, which is the joint gift of Mrs. Gustavus F. Swift and Mr. Edward F. Swift.

The Gymnasium—The Gymnasium is a well-lighted, two-story brick building. The basement contains dressing-rooms, lockers, baths for men and for women, and a room for ball-throwing. The exercising-room is 40 by 80 feet, with a height of ceiling of 20 feet, unobstructed by pillars, leaving ample space for the practice of indoor

athletics. It is supplied with light and heavy apparatus for general gymnastic and athletic exercise.

THE CENTRAL HEATING PLANT—The Heating Plant is on the lake shore at the rear of the Gymnasium. It has capacity for all the buildings on the lower campus and equipment sufficient to provide for new buildings under consideration.

NORTHWESTERN FIELD.—This athletic field was provided at a cost of $25,000, exclusive of the value of the land. It is twelve acres in area, comprising two foot-ball fields, base-ball diamond, quarter-mile cinder track with a 200-yard straightaway, and pits for pole vaulting and jumping. The Field House contains dressing quarters and shower baths. The bleachers have a capacity of ten thousand.

TENNIS COURTS.—The tennis courts are immediately north of the lower campus.

THE MEDICAL SCHOOL

THE LABORATORY BUILDING—This building is on Dearborn Street, between Twenty-fourth and Twenty-fifth Streets. It has a frontage of 110 feet, and a depth of 105 feet; is five stories above the basement, and is constructed of cut stone and brick, with terra-cotta trimmings and interior finishing of excellent materials and workmanship. On the first floor are the amphitheater, pathological museum, and the laboratory of physiology and biology; on the second floor, the laboratories of pathology, bacteriology, hygiene, and clinical pathology; and on the third floor, large laboratories of histology and embryology, with three smaller rooms for original research, equipped with necessary apparatus. A large lecture-room, a room for chemical and physical apparatus, and the private laboratory of the professor of chemistry are also on this floor. On the fourth floor, one-half of the entire space is occupied by chemical laboratories, and the other half by the laboratory of physiological chemistry and pharmacology, with smaller rooms for research work. On the fifth floor is a dissecting-room, a room for demonstrating surgical operations, and three smaller rooms for special dissections.

DAVIS HALL—Davis Hall was erected in the summer of 1893. On the first floor are the administrative offices and faculty rooms, a large amphitheater, an apothecary's room, an examination room for the director of the dispensary, and suites of rooms for the dispensary departments of medicine, surgery, orthopedics, and genito-urinary surgery. On the second and third floors there are smaller amphitheaters, and suites of rooms especially equipped for the departments of laryngology, gynecology, neurology, pediatrics, otology, ophthalmology, and dermatology. On the fourth floor are the library and reading-room, and the suite assigned to the Young Men's Christian Association, compris-

ing an assembly-room and a gymnasium with shower-baths and dressing-rooms.

Mercy Hospital—This hospital accommodates four hundred patients and is directed by The Sisters of Mercy. A large new pavilion has been recently finished in suites of rooms. Every facility for efficient surgical and medical treatment is provided, as numerous operating rooms, pathological laboratory, private rooms, large and small wards, etc. The clinical amphitheater, built by the Medical School, will seat five hundred.

Wesley Hospital—This hospital, modern, well equipped, and connected by corridors with Davis Hall, contains two hundred twenty-five beds. It is under the patronage of the Methodist Episcopal Church and is controlled by a local board. The institution has reached a high mark in hospital construction and is equipped with laboratories for sterilizing and preparing dressings and instruments, with amphitheaters, with clinical and pathological laboratories, sunbaths and suites of private rooms, and with commodious, light, and well-ventilated wards.

THE LAW AND DENTAL SCHOOLS AND THE SCHOOL OF PHARMACY

Northwestern University Building—The Law School, School of Pharmacy, and Dental School are located in this building, which stands at the south-east corner of Lake and Dearborn Streets, Chicago. This property was acquired by the University in 1901 at large cost and has been remodeled for the uses of the three schools. The Chicago offices of the President and the Business Manager of the University are in this building. The Law School occupies the entire third floor, containing a floor space of some twenty-three thousand square feet. The quarters are commodious and handsomely equipped and include two lecture rooms, a court room, an alumni room, a students' assembly room, and several private studies; a set of two hundred lockers and the usual office rooms and rooms for professors. The library and reading-room occupy five thousand square feet of floor space. The students' assembly room, a place for rest and conversation, is spacious and well equipped.

The School of Pharmacy occupies the whole of the fourth floor. The Dental School occupies the fifth, sixth, and seventh floors.

The Schools in this building, situated in the heart of Chicago, afford unexcelled advantages.

THE SCHOOL OF MUSIC

Music Hall—This building is situated on Willard Hall Campus, a short distance west of the University Campus. It was originally de-

signed as a home for the School of Music, was completed in 1897, and is substantially built of stone and brick, with a tile roof, and is finished in pine. The first floor is divided into fourteen teaching and practice rooms, including an office. The second floor contains three additional class-rooms and a well-arranged concert-hall, seating over three hundred. The hall is provided with a large stage, dressing-rooms, a grand piano, and a two-manual pipe-organ with pedals.

THE ACADEMIES

Fisk Hall—This building was erected in 1898 and is devoted to the work of the Evanston Academy. It is named in honor of Professor Herbert F. Fisk, who was Principal of the Academy from 1873 until 1904. The building is the gift of Mr. William Deering, is Romanesque in style, and is a three-story structure of brick and terra-cotta, with stone trimmings and a tile roof. It stands at the south end of the campus with a frontage of 180 feet on Sheridan Road. The woodwork throughout is of quartered oak, and the heating, lighting, and ventilating appointments are excellent.

Hatfield House—The Academy dormitory for boys was erected in 1890 and is situated on the University Campus. It was originally intended for College as well as Academy students, but during the summer of 1906, through the generosity of Mr. James A. Patten, of Evanston, it was remodeled as a modern and well equipped dormitory for twenty-five young boys. The rooms are for the most part in suites, consisting of a study and two well-lighted bed-rooms with wardrobes.

Grand Prairie Seminary—At Onarga, Illinois, are three buildings, an Auditorium seating six hundred persons, a Recitation Hall, and a Dormitory for women. The campus on which these buildings are situated consists of about six acres of beautifully shaded ground.

Elgin Academy—Two well-constructed buildings are situated in the most elevated portion of the city of Elgin. The main building is a three-story brick structure used for general class-room purposes. Lovell Science Hall was erected in 1888 through the generosity of Mrs. Vincent S. Lovell, and is used for the science work of the Academy.

COLLEGE DORMITORIES

Willard Hall—Willard Hall is a large, substantial edifice containing, besides a chapel and other public rooms, private apartments for one hundred and twenty young women. The rooms are of good size, well lighted and ventilated, and are cheerful and attractive. The building is provided with fire escapes, and is heated by hot water.

Pearsons Hall and Chapin Hall—These buildings, of brick and stone, make convenient and well-furnished homes for women. Each

hall affords accommodations for about sixty young women, and is under the control of the Woman's Educational Aid Association of Evanston.

GARRETT BIBLICAL INSTITUTE

Memorial Hall—This structure is of pressed brick, was erected on the campus for Garrett Biblical Institute and was dedicated in May, 1887. It contains the library and lecture rooms of the Institute and a chapel with seating capacity for about five hundred. The chapel windows are adorned with elaborate designs in rich cathedral glass, in harmony with the ideal of the hall, which was erected as a memorial to deceased professors of the Institute and of others well known for interest in theological studies. During the summer of 1906 a fire-proof addition of considerable size was made for the safe housing of the Archæological Museum, which has been recently endowed.

Heck Hall—The dormitory for theological students was erected in 1867. It is a brick building, five stories in height, heated by steam and lighted by electricity. The rooms are in suites consisting of study, bed-room, and wardrobe, and afford comfortable quarters.

THE NORTHWESTERN UNIVERSITY SCHOOL OF ORATORY

Annie May Swift Hall—This building was erected during the year 1895, for work in elocution and oratory. The style of architecture is Venetian. The lower part of the building is of rock-faced Lemont limestone, and the upper stories of buff-colored Roman brick and terra-cotta. The floor is of red tile. The building is heated by steam and lighted by electricity. It is named in memory of a deceased daughter of the late Mr. Gustavus F. Swift of Chicago, one of the trustees of the University and the largest contributor for the erection of the building. On the first floor are an auditorium, reading-room, and reception rooms. The second story is divided into fifteen rooms for private instruction. The floors and partitions are deadened by an improved system of construction.

Libraries

The libraries of the University are placed with due regard to the convenience of the several departments using them. The largest collection is that of the College of Liberal Arts, contained in the Orrington Lunt Library building on the University campus. While designed especially to meet the needs of the various departments of instruction in the college, this library is at the service of all members of the University, subject to the regulations which apply to students and officers

of the college. Persons not connected with the University and desiring to use the library for purposes of study, may be granted library privileges if responsibly introduced. Besides the general collection, which is increasing at the rate of about three thousand volumes a year, the college library includes special collections known as the Greenleaf Collection and the Schneider Collection.

The Greenleaf Collection—The gift in 1870 of the late Mr. Luther L. Greenleaf of Evanston. It contains 11,246 bound volumes and a large and valuable assortment of unbound dissertations and monographs, chiefly publications of foreign universities and learned societies. It is unusually complete in Greek and Latin classics, every author being represented by the best editions from the earliest to a recent date. It contains also a choice selection of standard works in German and other modern languages. In the subjects of history, philosophy, theology, and the fine arts, there are many works of unique value.

The Schneider Collection—The German section of the library, added in 1898 through the generosity of German citizens of Chicago, numbers 2,533 volumes. It includes many first editions of standard authors, original prints from the period of the Reformation, and a large collection of annuals, *Musenalmanache* and *Taschenbücher,* of the eighteenth and nineteenth centuries.

The Library of the Medical School, known as the Alumni Library—On the fourth floor of Davis Hall. It has been acquired by purchase, and by donations from students, alumni, and members of the faculty. It contains a large number of reference books and dictionaries, and all of the larger systems of Medicine and Surgery. Each department of instruction in the School is well represented, and all of the more important recent works in the various departments of instruction are added to the Library as they appear.

The Library of the Law School—Centrally located in the rooms of the school. The space devoted to it is divided into large, well ventilated, and well lighted alcoves, each alcove containing a table and comfortable chairs. The library is well stocked with reports and necessary works of reference, and is being gradually increased. Its equipment makes it pre-eminently adapted to work of investigation. A fuller description of this Library is given on page 222.

The Library of Garrett Biblical Institute—In Memorial Hall on the University Campus. It has been collected to meet the needs of theological students, and is well selected and conveniently arranged. A rare collection of Methodist literature, the largest and richest collection in existence, has been given to this library by Mr. William Deering.

The number of bound volumes and pamphlets in the several libraries of the University, June, 1907, was as follows:

	Bound Volumes.	Pamphlets.
The College of Liberal Arts, including Dearborn Observatory	67,697	45,000
The Medical School	4,780	7,454
The Law School	30,000	.....
The School of Pharmacy	1,000	1,000
The Dental School	2,661	16,972
Garrett Biblical Institute	19,913	4,150
	126,051	74,576

In addition to the above library facilities, students residing in Evanston have free use of the Evanston Public Library, containing 40,548 volumes. In Chicago students have access to the Chicago Public Library, 339,282 volumes; the John Crerar Library, 211,000 volumes; the Newberry Library, 179,967 volumes; and the Library of the Chicago Historical Society, 50,000 volumes.

Museums

THE COLLEGE OF LIBERAL ARTS

THE MUSEUM OF THE COLLEGE OF LIBERAL ARTS—This Museum was for many years the object of special attention on the part of the late Professor Oliver Marcy. It contains many thousand rare and valuable specimens, and is divided into sections as follows: Anthropology, Botany, Geology, Mineralogy, and Zoölogy. The section of Mineralogy is placed in Fayerweather Hall of Science; the other sections, on the fourth floor of University Hall, and in the rooms of the departments of Botany, Geology, and Zoölogy.

ANTHROPOLOGY—This section comprises about 8,000 specimens in aboriginal archæology, and has been developed largely through the interest of Dr. William A. Phillips of Evanston. Primitive ceramic art in the United States is well represented by several hundred specimens from the mounds of Illinois, Wisconsin, Kentucky, and Missouri. Primitive work in stone and copper is represented by large collections from various parts of the United States and from England. During recent years a collection of material from the cliff-dwellings of the pueblos of New Mexico has been added to the Museum.

BOTANY—This section is made up chiefly of gifts received from alumni and friends of the college and of collections made by students and instructors. It now contains about fifteen thousand species. It in-

cludes collections made by Robert Kennicott from the Red River of the North; by Vasey from the Rocky Mountains; by Thomas and Bentley, and by I. A. Lapham, from Southern Illinois; also collections from New England and New York, the Lake Superior region, and Cook County, Illinois. The Henry H. Babcock Herbarium, donated in 1887 by Mrs. Mary Keyes Babcock, of Kenilworth, is systematically arranged, handsomely provided with substantial cases, and contains species from all quarters of the globe, in number about five thousand.

Geology—This section contains typical rocks from this country and Europe. These exhibit the variations in structure and texture of the large groups of sedimentary, metamorphic, and igneous rocks, and also show the rock formations in the geological column from the more ancient to the recent rocks. The series of fossils, both of plants and of animals, are quite extensive, containing characteristic fossils of the different geologic periods. The collections which are especially valuable are: 1, Cretaceous and Tertiary fossils, the gift of the Smithsonian Institution; 2, Fossils and rocks from Illinois Geological Survey; 3, Niagara fossils from Chicago and Racine, some of which are type specimens; 4, Illinois Carboniferous flora, largely from Grundy County; 5, miscellaneous, containing specimens from many parts of the world.

Mineralogy—This section contains specimens of most of the mineral and rock species in such numbers as to illustrate fully their characteristics and occurrence. Besides the specimens which have been accumulating in the museum for several years, are to be mentioned the Ayers loan-collection; additions from the Columbian Exposition, consisting chiefly of mass specimens and illustrations of economic ores; the Tyler collection, containing many crystals, notably good calcites; and a rare collection of azurites and malachites.

Zoölogy—This section contains (1), with few exceptions, all the mammals, birds, reptiles, and batrachians indigenous to Illinois; (2) all the mammals and birds of the New South Wales exhibit at the Columbian Exposition, the kangaroos and lemurs, the platypus and the echidna, the emu and the cassowary, the rifle-bird, the regent, the lyre-bird, and the apteryx from New Zealand, in all four hundred and fifty specimens, a very complete presentation of that strange fauna; (3) a series of birds and a series of corals from the Philippine Islands, including what is thought to be all the species of cuckoos and parrots for that locality; (4) a series of skeletons, prepared by Ward, including the elephant, the whale, the American crocodile, and skeletons of birds and of fishes; (5) about 30,000 miscellaneous specimens, including large animals such as the moose, the buffalo, the Virginia deer, the white bear, and the reindeer; birds from India, Central America, Brazil,

British Guiana, Norway, and Russia; a collection of fifteen thousand marine and fresh-water shells; a large collection of fish donated by the Smithsonian Institution; fish from Lake Michigan, prepared by Dr. W. A. Phillips; and a multitude of low forms of marine life, collected by Professor William North Rice, of Middletown, Connecticut.

THE PROFESSIONAL SCHOOLS

The Museum of the Medical School is arranged in the Laboratory Building and contains preparations and specimens illustrative of normal, pathological, and comparative anatomy.

The Museum of the School of Pharmacy, situated on the fourth floor of the University Building in Chicago, is exceptionally complete in exhibits of drugs, chemicals, preparations, and apparatus.

The Museum of the Dental School includes specimens of comparative anatomy showing heads with the teeth of fish, reptiles, saurians, and of the several orders of mammals; and an exceptionally complete and valuable set of specimens of the human skull, with dissections in a series showing the development of the teeth and the roots from the first appearance to the full development of the adult. There is also a large collection of abnormal formations of the human teeth, collected by students, by alumni, and by members of the dental profession.

PUBLIC LECTURES AND CONCERTS

Many lectures and evening courses and concerts are given under the auspices of the University and its various organizations, open to students and to the general public.

The Norman W. Harris Lectures—These lectures are given annually under an endowment established by Mr. Norman W. Harris of Chicago. In his letter of gift the donor expressed the desire "that the fund should be used to stimulate scientific research of the highest type and to bring the result of such research before the students and friends of Northwestern University, and through them before the world." The term "scientific research" was interpreted as meaning "scholarly investigation into any department of human thought or effort, without limitation to research in the so-called natural sciences, but with a desire that such investigation should be extended to cover the whole field of human knowledge." The lectures given on this foundation are published by the University.

The First Course of Norman W. Harris Lectures—Delivered in May, 1907, by Professor Borden P. Bowne, LL.D., of Boston University, on the subject "Personalism."

The Second Course of Norman W. Harris Lectures—To be delivered in April, 1908, by President Charles W. Eliot, of Harvard University, on "University Administration."

Baccalaureate Sermon, 1907—Rev. Charles Joseph Little, Ph.D., LL.D., S.T.D., President of Garrett Biblical Institute.

Commencement Address, 1907—Honorable Charles Warren Fairbanks, LL.D., Vice-President of the United States.

Address on All Saints' Observance, 1907—Reverend Timothy Prescott Frost, D.D., of Evanston.

Address on the Day of Prayer for Colleges, 1908—Bishop William Fraser McDowell, D.D., LL.D.

Annual Address Before the Phi Beta Kappa Society, 1907—Professor George Pierce Baker, A.B., of Harvard University. Subject: The Drama as a Social Force.

Lectures Before the University Guild—A series of lectures on art topics is delivered annually before the members of the University

Guild and their invited friends. The lectures for 1907-08 are as follows:

Birds and Books, Mr. Edward B. Clark; The Glasgow School of Artists, Charles Francis Browne; Pictures for Children, with Original Illustrations, Mrs. Julia Fitch Perkins; Art in Every-day Living, Miss Stella Skinner; Etchers from Dürer to Whistler, The Romance of a Passing Act, Miss Lena M. McCauley. Readings, Professor Robert McLean Cumnock. Readings, Miss Corinne Agnes Cohn.

Lectures before the Sigma Xi Society—The Aims and Achievements of Modern Mathematicians, by Cassius Jackson Keyser, Ph.D.

Lecture before the Aleph Teth Nun Society—The White Slave Traffic—E. C. Rowe, Assistant District Attorney, Chicago.

Student Lecture Course—A series of five public lectures and concerts given annually under the auspices of the College Young Men's Christian Association.

Lecture before the Woman's League—Personal Reminiscences of Longfellow, J. Henry Kappes, Ph.D.

Lectures before the Science Club—Recent Work on the Evolution Problem, Dr. E. H. Harper. Storms—Illustrated with lantern slides of the St. Louis Tornado—Professor G. W. Hough. Food Investigation, Dr. A. L. Winton. Lecture on Plant Ecology in Alaska, Dr. Henry Chandler Cowles.

Lecture on Bismya, the Oldest City in the World—Edgar James Banks, Ph.D.

Lecture on The Child in Modern Literature—Mrs. Amelia von Ende.

Lecture on a Tour through Greece—Arthur S. Cooley, Ph.D.

Lecture on Das Nibelungenlied—Rudolph Tombo, Ph. D.

Lecture on Our Country and the Nation—A Discussion of the Development of the People of the United States in Relation to their Environment—Bailey Willis, M.E., C.E.

Artists' Series of Concerts in the School of Music—These concerts are given under the auspices of the School of Music and are open to the public at a small fee. The series for 1907-08 is as follows: Piano Recital by Augusta Cottlow; Piano Recital by Katharine Goodson; Song Recital by Isabelle Bouton; Song Recital by Albert Janpolski; Lecture Recital by Mary Gregory Mason; Four Chamber Music Recitals by the University String Quartette.

Lectures Delivered at the Medical School—Trypanosomiasis, Professor Novy, of the University of Michigan; Smallpox, Dr. I. D. Rawlings; Injuries of the Eye, Professor H. V. Wurdemann, of Milwaukee Medical College.

Alumni Clinic at the Dental School—An annual clinic is given in January under the auspices of the Alumni Association of the Dental

School which is open to all members of the dental profession. This is participated in by members of the Dental School faculty and alumni and is intended to present the most recent results of dental investigation.

A series of lectures delivered annually on Monday evenings in Hurd Hall of the Law School Rooms, is open to all persons interested in the practice of law. The course is known as LECTURES ON LEGAL TACTICS. The series for 1907-08 is as follows:

ACQUISITION AND RETENTION OF A CLIENTAGE.—Stephen S. Gregory, Esq., of the firm of Gregory, Poppenhusen, and McNab.

PRACTICE UNDER THE ILLINOIS REVISED STATUTES.—Keene H. Addington, Esq., Reporter of the Illinois Appellate Court and Editor of the Revised Statutes.

PRACTICE IN THE MUNICIPAL COURT, WITH SPECIAL REFERENCE TO CRIMINAL CASES.—Hon. Judson F. Going, Judge of the Municipal Court of Chicago.

THE SELECTION AND MANAGEMENT OF A JURY.—James M. Sheean, Esq., of the firm of Calhoun, Lyford, and Sheean.

THE COMMERCIAL LAWYER, AND THE ORGANIZATIONS WHICH ASSIST HIS WORK.—Martin M. Gridley Esq., of the firm of Gridley, Culver, and King.

THE LAWYER'S MISTAKES AS SEEN BY A DETECTIVE.—Capt. P. D. O'Brien, of the Detective Bureau of the Department of Police of Chicago.

PRACTICE RELATING TO THE FORECLOSURE OF MORTGAGES.—Wm. W. Case, Esq., of the Chicago Bar, and Editor of the Chicago Real Estate News.

THE LAW OF CONFESSIONS.—John F. Geeting, Esq., Editor American Criminal Reports.

PRACTICE UNDER THE ILLINOIS REVISED STATUTES.—Keene H. Addington, Esq., Reporter of the Illinois Appellate Court and Editor of the Revised Statutes.

BANKRUPTCY PRACTICE.—Carl R. Latham, Esq., of the firm of Alden, Latham and Young.

THE EXAMINATION OF WITNESSES.—James Hamilton Lewis, Esq., formerly Corporation Counsel to the City of Chicago.

PRACTICE UNDER THE CITY CODE.—George H. White, Esq., Prosecuting Attorney for the City of Chicago.

LANDLORD AND TENANT.—Albert Martin, Esq., of the firm of Taylor and Martin.

CRIMINAL PRACTICE IN THE SUPERIOR COURTS.—John J. Healy, Esq., State's Attorney for Cook County.

BANKING AND TRUST COMPANY PRACTICE.—Max Baird, Esq., Attorney for the Illinois Trust and Savings Bank.

PRACTICE IN THE MUNICIPAL COURT, WITH SPECIAL REFERENCE TO CIVIL CASES.—Hon. Stephen A. Foster, Judge of the Municipal Court of Chicago.

DRAFTING WILLS.—Henry M. Wolf, Esq., of the firm of Judah, Willard, Wolf, and Reichmann.

APPELLATE COURT PRACTICE.—John A. Rose, Esq., General Attorney for the Chicago Union Traction Company.

SOME EVERYDAY PROBLEMS OF PROFESSIONAL ETHICS.—Simon P. Gary, Esq., Secretary of the Lawyers' Association of Chicago.

THE PREPARATION OF A CASE FOR TRIAL.—Amos C. Miller, Esq., of the firm of Lackner, Butz, and Miller.

INSTRUCTIONS TO JURIES.—T. J. Scofield, Esq., of the firm of Loesch, Scofield, and Loesch.

FEDERAL PRACTICE.—James H. Wilkerson, Esq., of the firm of Tenney, Coffeen, Harding and Wilkerson, and United States Assistant District Attorney for the Northern District of Illinois.

AFFILIATED ORGANIZATIONS

The University Guild

The University Guild is an association of women, for the most part residents of Evanston, who seek to secure for the University valuable works of art and to cultivate, by means of frequent lectures and discussions, artistic taste and sentiment in matters of common life. The Guild holds monthly meetings in its rooms in Orrington Lunt Library, and the Guild rooms are open to the public every Wednesday afternoon throughout the year.

The Art Collection already secured by the Guild is valued at several thousand dollars. It contains a fine collection of pottery and porcelain, including handsome specimens of Doulton, Royal Worcester, Wedgewood, Coalport, Elton, Royal Berlin, Royal Copenhagen, Royal Vienna, Hungarian, Russian, Spanish, Royal Sevres, Limoges, Italian, Chinese, Delft, Rookwood, and Bulgarian ware. There are fifteen specimens of Doulton ware, including the famous Lambeth Faience Vase, six feet three inches in height, and two feet six inches in diameter. There are handsome specimens of French bronze and of Venetian and Bohemian glass. The collection also includes some fine plaster casts presented by the French Government, twenty busts of eminent scholars, Thorwaldsen's Mercury, Venus, Hebe, and the Shepherdess.

The University Settlement

An association composed of alumni and friends of the University maintains, in Chicago, a social settlement known as the Northwestern University Settlement. The building in which the work is carried on is at the corner of Augusta and Noble Streets, and is held in trust by the University for the use of the Settlement. It is a four-story brick structure, 60 by 78 feet, looking south upon two small gardens and having a space 30 by 78 feet on the north for an auditorium, gymnasium, and baths. On the ground floor are the kindergarten, men's club rooms, and boiler room. The main floor contains the kitchen, coffee house, reception room, office and library. Five large connected club rooms, one of which is used as the house dining-room, and the

domestic science room and the serving room occupy the second floor. The third floor contains rooms for thirteen residents.

The object, like that of Oxford House and Toynbee Hall in London, the Andover House in Boston, and similar institutions in other cities, is the intellectual, social, and religious improvement of the neglected city population. The settlement is located on the edge of the large Polish quarter of the city, and in the heart of the most densely populated district in Chicago. The resident group is composed of men and women engaged in educational, professional, and public service who wish to live among the people bearing the heaviest burden of the industrial world. Opportunity is here offered to undergraduates for philanthropic work and practical acquaintance with sociological problems.

A fellowship in the College of Liberal Arts, supported by contributions from student organizations, is awarded to a Northwestern graduate each year. The Fellow lives at the Settlement and tends to keep the student body in touch with the work of the Settlement. The plan of work includes classes for instruction, clubs for social improvement, lectures, concerts, house-to-house visitation, legal and medical dispensaries, and the maintenance of an open reading room. The general expenses of the Settlement are met by membership subscriptions and voluntary contributions.

MISCELLANEOUS INFORMATION

Presidents of the University

Since the founding of the University there have been seven presidents:

1853-1854 Rev. Clark Titus Hinman, D.D.
1855-1860 Rev. Randolph S. Foster, D.D., LL.D.
1869-1872 Rev. Erastus O. Haven, D.D., LL.D.
1872-1876 Rev. Charles H. Fowler, D.D., LL.D.
1881-1890 Rev. Joseph Cummings, D.D., LL.D.
1890-1900 Henry Wade Rogers, LL.D.
1902-1904 Edmund Janes James, A.M., Ph.D.
1906- Abram Winegardner Harris, Sc.D., LL.D.

For longer or shorter terms the following persons have served the University as acting presidents:

1854-1855 Henry Sanborn Noyes, A.M.
1860-1867 Henry Sanborn Noyes, A.M.
1867-1881 Rev. David Hilton Wheeler, D.D.
1876-1881 Oliver Marcy, A.B., LL.D.
1900-1902 Daniel Bonbright, A.M., LL.D.
1904-1906 Thomas Franklin Holgate, Ph.D., LL.D.

Equipment, Endowment, and Expenditures

The assets of the University on June 30, 1907, were as follows:

The value of buildings and grounds used for educational purposes, including Libraries, Museums, and Sundry Equipments, on June 30, 1907, was $3,667,284.67. The Endowment in addition to property was $3,925,106.55.

The expenditures of the University for educational purposes for the year 1906-1907 were as follows:

University General	$128,195.11
Willard Hall	27,677.94
Buildings and Grounds	25,904.33
College of Liberal Arts	141,276.26
Academy	26,682.84

School of Music	32,947.78
Northwestern University Building, Chicago	16,719.39
Law School	36,756.34
School of Pharmacy	25,931.74
Dental School	69,217.65
Medical School	74,879.59
	$606,188.97

University Publications

Each department of the University issues a bulletin four times a year; one number of which serves as a catalogue. There is issued from the office of the President, quarterly, the Alumni News Letter, to every alumnus of the University. In addition to the official publications are two monthly publications, the Northwestern University Dental Journal and the Illinois Law Review. The first is the organ of the Alumni Association of the Dental School. The Illinois Law Review is controlled by an association of alumni, members of the faculty, students, and practising lawyers of Chicago. The students of the University publish a tri-weekly, the Northwestern; a literary periodical, the Northwestern Magazine; and an annual known as the Syllabus. The Evanston Academy students publish the Academian; and the students of the Grand Prairie Seminary the Seminary Breeze.

Fraternities and Sororities

COLLEGE OF LIBERAL ARTS

Sigma Chi, Omega Chapter, Established at Northwestern University, 1869.

Phi Kappa Sigma, Upsilon Chapter, Established at Northwestern University, 1872.

Beta Theta Pi, Rho Chapter, Established at Northwestern University, 1873.

Phi Kappa Psi, Illinois Alpha Chapter, Established at Northwestern University, 1864; Re-established, 1878.

Delta Upsilon, Northwestern Chapter, Established 1880.

Phi Delta Theta, Illinois Alpha Chapter, Established at Northwestern University, 1858; Re-established, 1886.

Delta Tau Delta, Beta Pi Chapter, Established at Northwestern University, 1893.

Sigma Alpha Epsilon, Illinois Psi-Omega Chapter, Established at Northwestern University, 1894.

Sigma Nu, Gamma Beta Chapter, Established at Northwestern University, 1898.

The Wranglers, Established at Northwestern University, 1904.

Deru, Senior Fraternity, Established at Northwestern University, 1896.

Phi Beta Kappa, Illinois Alpha Chapter, Established at Northwestern University, 1889.

Sigma Xi, Northwestern Chapter, Established at Northwestern University, 1906.

Delta Sigma Rho, Northwestern Chapter, Established at Northwestern University, 1906.

Alpha Phi, Beta Chapter, Established at Northwestern University, 1881.

Delta Gamma, Sigma Chapter, Established at Northwestern University, 1882.

Kappa Kappa Gamma, Upsilon Chapter, Established at Northwestern University, 1882.

Kappa Alpha Theta, Tau Chapter, Established at Northwestern University, 1887.

Gamma Phi Beta, Epsilon Chapter, Established at Northwestern University, 1888.

Pi Beta Phi, Illinois Epsilon Chapter, Established at Northwestern University, 1894.

Delta Delta Delta, Upsilon Chapter, Established at Northwestern University, 1895.

Chi Omega, Xi Chapter, Established at Northwestern University, 1901.

Kappa Delta, Lambda Chapter, Established at Northwestern University, 1907.

Epsilon Nu, Senior Sorority, Founded at Northwestern University, 1904.

MEDICAL SCHOOL

Nu Sigma Nu, Zeta Chapter, Established at Northwestern University Medical School, 1891.

Phi Rho Sigma, Alpha Chapter, Established at Northwestern University Medical School, 1890.

Alpha Kappa Kappa, Xi Chapter, Established at Northwestern University Medical School, 1901.

Phi Beta Pi, Theta Chapter, Established at Northwestern University Medical School, 1902.

Alpha Omega Alpha, Gamma Chapter, Established at Northwestern University Medical School, 1903.

LAW SCHOOL

Delta Chi, Northwestern Chapter, Established at Northwestern University Law School, 1893.

Phi Alpha Delta, Melville W. Fuller Chapter, Established at Northwestern University Law School, 1898.

Alpha Kappa Phi, Established at Northwestern University Law School, 1902.

SCHOOL OF PHARMACY

Phi Chi, Beta Chapter, Established at Northwestern University School of Pharmacy, 1895.

Phi Gamma Sigma, Alpha Chapter, Established at Northwestern University School of Pharmacy, 1902.

DENTAL SCHOOL

Delta Sigma Delta, Eta Chapter, Established at Northwestern University Dental School, 1891.

Psi Omega, Iota Chapter, Established at Northwestern University Dental School, 1896.

Xi Psi Phi, Rho Chapter, Established at Northwestern University Dental School, 1900.

SCHOOL OF MUSIC

Alpha Chi Omega, Gamma Chapter, Established at Northwestern University, 1890.

Sigma Alpha Iota, Beta Chapter, Established at Northwestern University, 1904.

SCHOOL OF ORATORY

Zeta Phi Eta, Established at Northwestern University School of Oratory, 1893.

COLLEGE OF LIBERAL ARTS

The College of Liberal Arts was the first department of the University to be organized and was opened to students on November 5, 1855. The courses of study offered in the College are designed to afford a broad and liberal culture without direct reference to a professional career. They constitute a valuable preliminary to the study of Law, Medicine, Theology, and other professions, and equip young men and women for the work of teaching in secondary schools and colleges. The curriculum leads to the degree of Bachelor of Arts, or Science. Courses are also offered leading to the degree of Master of Arts, Master of Science, and Doctor of Philosophy.

The site of the College of Liberal Arts is Evanston, next to Chicago, twelve miles north from the business center, with the advantage of rapid transit, but far enough removed to escape the distractions of the city. The University charter contains a prohibition of saloons within four miles of the campus and the law is enforced. The city is situated on Lake Michigan, is distinguished for its wealth, its beauty and public spirit, and possesses the academic charm that makes it an ideal college town.

The campus extends for three-quarters of a mile along the shore of the lake, and is bordered by Sheridan Road on the west. On the southern half of the campus—known as the Old Campus—stands the original building, Old College. Near by is University Hall; Fisk Hall, the home of the Academy; Swift Hall, occupied by the School of Oratory; the Gymnasium; Fayerweather Hall, used by the departments of Chemistry and Physics; Heck Hall, the dormitory for men, and Memorial Hall, both of the Garrett Biblical Institute; and Orrington Lunt Library, perhaps the most impressive of the University Buildings. On the north campus are Hatfield House—a men's dormitory, Seminary Hall, and the Dearborn Astronomical Observatory. One block to the west of the southern campus, on what was once the campus of the Evanston Woman's College, is Music Hall of the School of Music, and three dormitories for women, Willard Hall, Pearsons Hall, and Chapin Hall. In the extreme southeastern corner of the Old Campus is a building peculiar to Northwestern—the U. S. Life Saving Station. The crew, composed mainly of students, has a record of thirty years of service. Northwestern Field, with bleachers and training quarters, is almost a mile west of the Campus. For a full description of grounds and buildings see page 44.

THE FACULTY

ABRAM WINEGARDNER HARRIS, Sc.D., LL.D.....*President*
THOMAS FRANKLIN HOLGATE,* Ph.D., LL.D..*Henry S. Noyes Professor of Mathematics, Dean of the Faculty*
ULYSSES SHERMAN GRANT, Ph.D.*William Deering Professor of Geology Acting Dean*

DANIEL BONBRIGHT, A.M., LL.D.....*Dean Emeritus, John Evans Professor of Latin Language and Literature*
HERBERT FRANKLIN FISK, D.D., LL.D.....*Professor of Pedagogy*
ROBERT MCLEAN CUMNOCK, A.M., L.H.D.....*Professor of Rhetoric and Elocution*
ABRAM VAN EPS YOUNG, Ph.B.....*Professor of Chemistry*
GEORGE WASHINGTON HOUGH, A.M., LL.D....*Professor of Astronomy and Director of Dearborn Observatory*
JAMES TAFT HATFIELD, Ph.D.....*Professor of German Language and Literature*
CHARLES BEACH ATWELL, Ph.M.....*Professor of Botany*
HENRY CREW, Ph.D.....*Fayerweather Professor of Physics*
J. SCOTT CLARK, Lit.D.....*Professor of English Language*
PETER CHRISTIAN LUTKIN, Mus.D.....*Professor of Organ, Theory, and Composition*
GEORGE ALBERT COE, Ph.D.....*John Evans Professor of Moral and Intellectual Philosophy*
WILLIAM ALBERT LOCY, Ph.D., Sc.D.....*Professor of Zoölogy*
GEORGE OLIVER CURME, A.M.....*Professor of Germanic Philology*
JAMES ALTON JAMES, Ph.D.....*Professor of History*
EDOUARD PAUL BAILLOT, L.H.D.....*Professor of Romance Languages*
AMOS WILLIAMS PATTEN, A.M., D.D..*Professor of Biblical Instruction*
JOHN ADAMS SCOTT, Ph.D.*Professor of Greek Language and Literature Secretary*
ARTHUR HERBERT WILDE, Ph.D.....*Professor of History*

*On leave of absence.

ARTHUR CHARLES LEWIS BROWN, Ph.D.....*Professor of English Literature*
NORMAN DWIGHT HARRIS, Ph.D.....*Professor of European Diplomatic History*
WALTER DILL SCOTT, Ph.D.....*Professor of Psychology*
OLIN HANSON BASQUIN, Ph.D.....*Associate Professor of Physics*
MARY ROSS POTTER, A.M.....*Dean of Women*
THEODORE WHITTELSEY,* Ph.D.....*Associate Professor of Chemistry*
OMERA FLOYD LONG, Ph.D.....*Associate Professor of Latin*
WILLARD EUGENE HOTCHKISS, Ph.D..*Associate Professor of Economics*
DAVID RAYMOND CURTISS, Ph.D...*Associate Professor of Mathematics*
ROBERT RICHARDSON TATNALL, Ph.D....*Assistant Professor of Physics*
WALTER LIBBY, Ph.D.....*Assistant Professor of Education*
HAROLD CLARKE GODDARD, Ph.D.....*Assistant Professor of English Literature*
JAMES WALTER GOLDTHWAIT, Ph.D.....*Assistant Professor of Geology*
LEWIS OSCAR GILLESBY.....*Assistant Professor of Physical Culture and Director of Athletics*
EARL DEAN HOWARD, Ph.D.....*Assistant Professor of Economics*
MURRAY ARNOLD HINES, Ph.D.....*Assistant Professor of Chemistry*
HERBERT GOVERT KEPPEL, Ph.D.....*Instructor in Mathematics*
GEORG EDWARD.....*Instructor in German*
JOHN PRICE ODELL, A.B.....*Instructor in English Language*
ROBERT EDWARD WILSON, Ph.M...*Registrar, Instructor in Mathematics*
WILLIAM ABBOTT OLDFATHER, Ph.D.....*Instructor in Latin and Greek*
EUGENE HOWARD HARPER, Ph.D.....*Instructor in Zoölogy*
JULIUS WILLIAM ADOLPHE KUHNE, A.M.....*Instructor in French*
ROY CASTON FLICKINGER, Ph.D.....*Instructor in Greek and Latin*
BERNARD CAPEN EWER, Ph.D.....*Instructor in Philosophy*
JAMES CADDELL MOREHEAD, Ph.D.....*Instructor in Mathematics*
FREDERICK SHIPP DEIBLER, A.M.....*Instructor in Economics*
ARTHUR GUY TERRY, Ph.D.....*Instructor in History*
AXEL LOUIS ELMQUIST, A.M.....*Instructor in Latin and Greek*
PHILIP HARRY, Ph.D.....*Instructor in French*
FRANK ADOLF BERNSTORFF, A.B.....*Instructor in German*
GEORGE WILEY SHERBURN, A.B.....*Instructor in English Language*
LYNN THORNDIKE, Ph.D.....*Instructor in History*
STANLEY PERKINS CHASE, A.M.....*Instructor in English Literature*
FRANK MILLER RARIG, A.M.....*Instructor in English Language*
WILLIAM HAWES COGHILL, M.E..*Instructor in Mineralogy and Mining*
RAIPH BROWNELL DENNIS, B.L.....*Instructor in Elocution*

LOUIS CÉLESTIN MONIN, Ph.D.....*Special Lecturer in Psychology*
*On leave of absence.

HELEN A. S. DICKINSON, Ph.D. ..... *Special Lecturer in Art*

GRETCHEN HUEGIN ..... *Tutor in Physical Training*
GLEASON FILLMORE STARKWEATHER ..... *Assistant in Shopwork*
GEORGE ORIN SCHRYVER, A.M. ..... *Assistant in German*
HELEN MARINA LITTLE, A.M. ..... *Assistant in French*
RALPH EMERSON RILEY ..... *Assistant in the Gymnasium*
MARTIN RIST CHASE, B.S. ..... *Assistant in Vertebrate Zoölogy*
GILBERT HAVEN CADY, A.B. ..... *Assistant in Geology*
FRANCES CHRISTINE RAWLINS, A.B. ..... *Assistant in English Literature*
LLOYD LYNE DINES, A.M. ..... *Assistant in Mathematics*
HELEN MABEL JEWELL, A.M. ..... *Assistant in Botany*
NATHANIEL ALCOCK, B.S. ..... *Demonstrator in Zoölogy*

Library Staff

LODILLA AMBROSE, Ph.M. ..... *Assistant Librarian*
ADELINE MAITLAND BAKER, B.L.S. ..... *Head Cataloguer*
ELEANOR FRANCES LEWIS, A.B. ..... *Assistant*
ELEANOR WORTHINGTON FALLEY, B.S. ..... *Cataloguer*
SADIE ABIA THOMPSON, Ph.B. ..... *Assistant*
OLA MAY WYETH, A.B., B.L.S. ..... *Cataloguer*
GRACE ESTELLE LASHER, A.B. ..... *Assistant*
MARIE HAMMOND, A.B. ..... *Assistant*

Standing Committees of the Faculty

ON ADMINISTRATION—Messrs. Grant, Bonbright, Clark, Coe, Crew, James, Locy, Young; *ex-officio,* Mr. Wilde, Miss Potter.

ON BOARD OF EXAMINERS—Messrs. Long, Curme, Goddard, Goldthwait, Howard, Harper, Kuhne, Libby, Morehead.

ON UNDERGRATUATE STUDY—Messrs. Young, Clark, Harris, Hatfield, Long.

ON ADVANCED STANDING—Messrs. Atwell, Baillot, Curtiss.

ON GRADUATE STUDY—Messrs. Crew, Brown, Coe, Locy, J. A. Scott.

ON ADMISSION REQUIREMENTS—Messrs. Basquin, Curme, Keppel, Odell, Terry.

ON DELINQUENT STUDENTS—Messrs. Grant, Basquin, Long.

ON REGISTRATION AND SPECIAL STUDENTS—Messrs. Grant, Tatnall, Wilson.

ON ACCREDITED SCHOOLS—Messrs. W. D. Scott, Atwell, Libby, Long, Wilde.

ON ACADEMY—Messrs. Wilde, Atwell, Ewer, Goddard, Tatnall.

ON LIBRARY—Messrs. Bonbright, Brown, Hatfield, James, Locy, Young.

On Chapel—Messrs. Patten, Flickinger, Keppel.

On Fellowships and Scholarships—Messrs. James, Curtiss, Goddard, Hatfield, Locy.

On Loan Funds—Messrs. Fisk, Gillesby, Hough.

On Musical Organizations—Messrs. Goldthwait, Edward, Flickinger.

On Social Life of Students—Messrs. Clark, W. D. Scott; *ex-officio,* Messrs. Lutkin, Wilde, Miss Potter.

On Gymnasium and Physical Training—Messrs. Wilson, Deibler, Goldthwait; *ex-officio,* Mr. Gillesby.

On Willard Hall—Messrs. Hotchkiss, Harris, Patten.

On Appointments—Messrs. Atwell, Baillot, Curtiss, Libby, Oldfather.

On Intercollegiate Debate and Oratory—Messrs. Hotchkiss, Ewer, Harris.

REQUIREMENTS FOR ADMISSION

Candidates for admission to the College of Liberal Arts must be at least sixteen years of age, and must present certificates of scholarship from the last institution which they attended. These certificates must show in detail the studies pursued by the candidate in preparation for College, and should bear the recommendation of the principal for admission to this College.

Blank forms for credentials may be had on application to the Registrar, and should be returned to him, properly filled out, at least one week before the opening of the college year.

Preliminary Education

Either by examination or by certificate, all candidates must give satisfactory evidence of preparation in the following subjects: (1) All the units described under Group A; (2) Four units from Group B; (3) Three additional units from Groups B and C.

The unit is a daily recitation on a prepared subject for a year or not less than one hundred fifty recitations; two hours of laboratory work are counted as the equivalent of one hour of prepared work. Fifteen units are required for admission, and it is expected that the work for admission will cover four years in an academy or high school. In the following groups the value of each item is given in units.

In special cases, where candidates are unable to meet the requirements relating to specific subjects, but can present the full equivalent of the total requirement for admission, they may by vote of the faculty or of the Board of Examiners be admitted as regular students; but

this regulation will not release a candidate for a degree from any of the studies required for a degree, as described on pages 80 and 81.

GROUP A.

1. ENGLISH—The character and amount of preparation required is indicated in the program which follows, although the arrangement of the work may vary from this.

a. LANGUAGE—Spelling, punctuation, grammar, paragraphing, the fundamental principles of rhetoric, reading, and practice in writing compositions based on the student's personal experience.

Certificates from accredited schools are expected to contain a statement from the instructor in English that each student, before entering college, has written at least eight exercises of at least three hundred words each. Descriptions of scenes or objects actually witnessed by the writers, narrations based on personal experiences, and arguments on specific questions will be accepted; rambling expository essays on broad general themes are not acceptable. Students without certificates may present these exercises for inspection by the examiner.

b. LITERATURE—The following books are to be read. The student should acquire a knowledge of the subject-matter and of the main facts in the lives of the authors, and should practice writing short compositions on subjects drawn from the reading. 1908-1911:—

I. Two to be selected from Shakespeare's: As You Like It, Henry V, Julius Cæsar, The Merchant of Venice, Twelfth Night.

II. One to be selected from: Bacon's Essays; Bunyan's The Pilgrim's Progress, Part I; The Sir Roger de Coverley Papers in the Spectator; Franklin's Autobiography.

III. One to be selected from: Chaucer's Prologue; Selections from Spenser's Faerie Queene; Pope's The Rape of the Lock; Goldsmith's The Deserted Village; Palgrave's Golden Treasury, First Series, Books II and III, with special attention to Dryden, Collins, Gray, Cowper, and Burns.

IV. Two to be selected from: Goldsmith's The Vicar of Wakefield; Scott's Ivanhoe and Quentin Durward; Hawthorne's The House of the Seven Gables; Thackeray's Henry Esmond; Mrs. Gaskell's Cranford; Dickens' A Tale of Two Cities; George Eliot's Silas Marner; Blackmore's Lorna Doone.

V. Two to be selected from: Irving's Sketch Book; Irving's Life of Goldsmith; Lamb's Essays of Elia; DeQuincey's Joan of Arc and The English Mail Coach; Carlyle's Heroes and Hero Worship; Emersons Essays; Ruskin's Sesame and Lilies.

VI. Two to be selected from: Coleridge's The Ancient Mariner;

Scott's The Lady of the Lake; Byron's Mazeppa and The Prisoner of Chillon; Palgrave's Golden Treasury, First Series, Book IV, with special attention to Wordsworth, Keats, and Shelley; Macaulay's Lays of Ancient Rome; Poe's Poems; Lowell's The Vision of Sir Launfal; Arnold's Sohrab and Rustum; Longfellow's The Courtship of Miles Standish; Tennyson's Gareth and Lynette, Lancelot and Elaine, and The Passing of Arthur; Browning's Cavalier Tunes, The Lost Leader, How They Brought the Good News from Ghent to Aix, Evelyn Hope, Home Thoughts from Abroad, Home Thoughts from the Sea, Incident of the French Camp, The Boy and the Angel, One Word More, Hervé Riel, Pheidippides.

c. LITERATURE—The student is expected to make a thorough study of each of the works named below, accompanied by practice in composition. 1908-1911:—

Shakespeare's Macbeth or Julius Cæsar; Milton's Lycidas, Comus, L'Allegro, and Il Penseroso; Burke's Speech on Conciliation with America or Washington's Farewell Address and Webster's first Bunker Hill oration; Macaulay's Life of Johnson or Macaulay's Essay on Milton, or Carlyle's Essay on Burns.

It is expected that the English work will be distributed over four years of the secondary school course. Three units.

2. MATHEMATICS—It is recommended that the work in Mathematics in preparation for college be extended over at least three years of the high school course, and especially that work be given in this subject in the last year. A good arrangement is as follows: first year, five hours a week, algebra; second year, five hours a week, geometry; fourth year, five hours a week for the first half-year, solid geometry; second half-year, algebra, reviewing and making a thorough study of quadratic equations and radicals.

a. ALGEBRA—Factoring, common divisors and multiples, fractions, simple equations of one or more unknown quantities, involution, evolution, theory of exponents, and radicals. Special attention should be given to the statement of problems in the form of equations. *One unit.*

b. ALGEBRA—A review of the previous work and a thorough study of radicals, equations involving radicals, quadratic equations with one or two unknown quantities, and equations solved as quadratics. *One-half unit.*

c. PLANE GEOMETRY—A course equivalent to that contained in Holgate's Geometry, together with the solution of a large number of exercises and numerical problems. *One unit.*

d. Solid Geometry—A course equivalent to that contained in Holgate's Geometry, including numerous exercises and problems. If the candidate cannot present Solid Geometry, he may substitute for it a half-year of acceptable work directly connected with any full unit which he presents. *One-half unit.*

3. History—The requirement is one year of history, preferably Ancient History. If a candidate cannot present a year of Ancient History, he may substitute for it either No. 27, 28, or 29, as described under Group C, or a year of General History, Myer's or an equivalent.

Ancient History—A special study of the history of Greece and Rome, West's Ancient History, or Botsford's Greece and Rome, or an equivalent, with supplementary reading. *One unit.*

4. Science—The requirement is one year of Science, preferably Physics. A candidate who cannot present a year of Physics, may substitute for it either a year of Physiography, No. 22, a year of Biology, No. 23, 24, or 25, or a year of Chemistry, No. 26.

Physics—A course equivalent to that contained in Millikan and Gale's First Course in Physics. The candidate must present evidence of familiarity with the general principles of physical science, especially the simpler principles and phenomena which are constantly illustrated in daily life, such as the pendulum, hydrostatics, water waves, pitch and intensity of sound, heat conduction, boiling, freezing, simple lenses, mirrors, prisms, magnets, lines of force, voltaic cells, galvanometers. It is also required that a course of laboratory work shall have been pursued in connection with the text-book, equivalent to at least forty exercises from Crew and Tatnall's Laboratory Manual of Physics, and that accurate notes descriptive of the experiments shall have been kept. *One unit.*

GROUP B

Foreign Language—The candidate is advised to present at least two units of credit in Latin. A single unit of a foreign language will be accepted for entrance credit only on condition that the candidate shall continue the study of that language through a second year.

6. Greek a—Grammar, White's First Greek Book, or an equivalent. *One unit.*

7. Greek b—Xenophon's Anabasis, Books I, II, and III; Jones' Greek Prose Composition, or an equivalent, thirty lessons. *One unit.*

8. GREEK c—Anabasis, Book IV; Prose Composition, lessons thirty to forty; Homer, Iliad, or Odyssey, 1,800 lines. *One unit.*

9. LATIN a—Grammar; Cæsar's Gallic War, ten pages, or twenty pages of Viri Romæ, with retranslation of English into Latin. *One unit.*

10. LATIN b—Cæsar's Gallic War, four books, completed; Latin Composition. *One unit.*

11. LATIN c—Cicero, six orations, including the Manilian Law; Latin Composition. *One unit.*

12. LATIN d—Vergil, six books of the Aeneid. *One unit.*
It is to be desired that the student's acquaintance with Vergil be not limited to the foregoing requirement. By private reading, as well as by sight reading in class, the Bucolics and a considerable portion of the Aeneid may with much advantage be added to the amount prescribed.

13. FRENCH a—Correct pronunciation; elementary grammar, with exercises, including the irregular verbs; the reading of from one hundred fifty to two hundred pages of easy French prose. *One unit.*

14. FRENCH b—Elementary grammar completed; easy composition, based upon one of the works read; the reading of two hundred fifty to three hundred pages of French prose. *One unit.*

15. FRENCH c—Study of the difficulties of French syntax and idioms; translation into French from text-book and easy original compositions; the reading of not less than six hundred pages of at least five standard authors; ability to take grammatical dictations and to understand and answer questions in French. *One unit.*

16. GERMAN a—Pronunciation; the memorizing and use of easy colloquial sentences; the rudiments of grammar, inflection of the articles, ordinary nouns, adjectives, pronouns, weak verbs, and the more usual strong verbs; the use of the more common prepositions; the simpler uses of modal auxiliaries and the elementary rules of syntax and word-order; abundant easy exercises; the reading of from seventy-five to one hundred pages of graduated texts. *One unit.*

17. GERMAN b—The reading of from one hundred and fifty to two hundred pages of literature in the form of easy stories and plays; translation into German of matter based upon works read; continued drill upon rudiments of grammar. *One unit.*

18. I. GERMAN c—The reading of about four hundred pages of moderately difficult prose and poetry; retranslation into German; grammatical drill upon the less usual strong verbs; the use of articles, cases, auxiliaries, tenses and modes, word-order and word-formation. *One unit.*

18. II. GERMAN d—The reading of about five hundred pages of good literature in prose and poetry; reference reading upon the lives of the great writers studied; writing in German upon numerous short themes upon assigned subjects; independent translation of English into German. *One unit.*

19. SPANISH a—Correct pronunciation; the rudiments of grammar, including the conjugation of the regular and the more common irregular verbs; sufficient translation from English into Spanish to illustrate the principles of grammar; the reading of from one hundred and fifty to two hundred duo-decimo pages of graduated texts. *One unit.*

20. SPANISH b—Continued study of grammar and syntax; mastery of the irregular verbs and the use of moods and tenses; advanced composition; the reading of from three hundred to four hundred pages of modern prose from different authors illustrating the tendencies of modern Spanish literature; a unified knowledge of Spanish literature of the nineteenth century. *One unit.*

GROUP C

For courses extending through less than a full year credit may be allowed at the discretion of the Board of Examiners, but in all such cases a unit of credit will require a total of one-third more work than that represented in the ordinary unit.

21. MATHEMATICS—Algebra, including ratio and proportion, variation, progressions, permutations and combinations, binomial theorem, logarithms and their application to interest and annuities, introduction to determinants, theory of equations and series, as in Fisher and Schwatt's College Algebra, or Hall and Knight's Elementary Algebra, or a full equivalent, and plane trigonometry, including the solution of oblique triangles. Consistent employment of ratio definitions of the trigonometric functions and also the ability to verify numerical computations is expected. *One unit.*

22. PHYSIOGRAPHY—A study of the subjects usually given in courses in physical geography—the earth as a planet, the atmosphere, the ocean, and the land. Emphasis should be placed upon the origin

and significance of typographical features. A recent text-book should form the basis for the course, supplemented by the study of maps, models, and the features of the earth's surface in the vicinity of the school. *One unit.*

23. General Biology—The study of typical animals and plants by laboratory methods covering the facts of morphology and physiology. The text-books mentioned under No. 24 and No. 25 are recommended. In all cases special provision should be made for laboratory work, and accurate notes and drawings should be made by the student. Teachers in accredited schools reporting to the University should indicate the quality of the laboratory work as a separate item, in addition to that of the class-room work. *One unit.*

24. Botany—The study of plants as living organisms, with special regard to function, structure, and relation to environment. Each recitation or quiz period should be preceded by two hours of laboratory work. Atkinson's Lessons in Botany and Bergen's Foundations of Botany are satisfactory texts. Each pupil should individually perform the experiments and demonstrations and should keep a neat and accurate notebook showing the work done by himself and the conclusions reached. *One unit.*

25. Zoölogy—The study for one year of animal structure, habits, and general life history will be accepted as a full item of credit for entrance, provided it has been done by the laboratory method. Conditions for undertaking the work vary widely. Competent teachers will have their own methods and the materials used will also vary. Linville and Kelley's Text-Book on General Zoölogy, Kellogg's Elementary Zoölogy, and Animal Studies by Jordan, Kellogg, and Heath are among the text-books approved. Emphasis should be placed on training in observation, in accuracy of drawing, and expression in the notebooks. *One unit.*

26. Chemistry—Laboratory work should be made an essential feature of the study, and this may well take one-half of the total time assignment. Careful and systematic notes of his individual work should be made by the student. Some work in quantitative experiments is recommended as desirable both for training and in order to illustrate the fundamental laws. Purely descriptive work may better be limited to comparatively few elements and compounds rather than be extended to a larger list with resulting confusion to the student. *One unit.*

History—It is recommended that candidates offer one or more of the units of History as described below, as it is believed that better

educational results are obtained by devoting a full year to one of these periods than by scattering it over two or more periods; but until further notice a unit of credit will be given for a year's work devoted to any two of these divisions, or a unit of credit will be given for a year devoted to General History.

27. Mediaeval and Modern European History—Myers's Mediæval and Modern History, or an equivalent, with supplementary reading. *One unit.*

28. English History—A study of the political and constitutional development of England. Larned's English History or an equivalent. *One unit.*

29. American History and Civil Government—Channing's Students' History of the United States, or an equivalent. James and Sanford's Government in State and Nation, or an equivalent. *One unit.*

30. Political Economy—Thurston's Economics and Industrial History, or an equivalent. *One unit.*

31. Manual Training—Joinery, practice in making the more common joints in wood with hand tools; wood-turning, the use of the ordinary turning tools in making various curved forms, cups, balls, etc.; pattern making, practice in making wood patterns from which castings may be made, involving the study of shrinkage, distribution of metal, and various methods of molding; forging, practice in forming iron into various shapes when heated to the plastic condition, welding, and tempering. Woodward's The Manual Training School describes the usual exercises. If a laboratory manual is not used the student should write up each exercise carefully, as in other laboratory work. *One unit. This work will require at least six hours a week in the shop through two years.*

Examinations for Admission

The regular examinations for admission to the College of Liberal Arts are held on the first Monday and Tuesday of the college year, the dates for the year 1908 being September 28 and 29. Candidates may be examined and admitted at other times if prepared to enter classes at an advanced point in the regular courses, but they are advised to enter at the beginning of the college year.

The Board of Examiners of this College will accept, in lieu of its own examinations, those conducted in June by the College Entrance Examination Board. This Board holds examinations in June in Northwestern University Building, Chicago.

Admission by Certificate

Students from an accredited academy or high school may be admitted to college on certificate, without examination, provided they present themselves for admission not later than a year and three months after graduation. The certificate must show that the candidate has met all the entrance requirements as described on page 70 and must bear the principal's signature recommending the candidate for admission. In case the preparation of a student admitted on certificate is found in the first semester to be unsatisfactory, he will be required to complete his preparation in a fitting-school or in such other way as may be designated.

Admission as Special Students

On the recommendation of a standing committee of the Faculty, persons of serious purpose and mature years may be admitted to college as special students to pursue selected studies. The work taken by such students is under the supervision and control of the committee on Registration and Special Students. Applications for admission as special students must be accompanied by evidence of qualification to carry on the proposed work to advantage. In general special students will be expected to meet the full entrance requirements.

Admission to Advanced Standing

Students from other colleges seeking admission to this College must present evidence of honorable dismissal from the institution last attended. Official certificates must be presented showing the grades of credit for the subjects pursued elsewhere, also the number of weeks and the number of hours a week the respective studies were followed. All students from other colleges must meet the regular entrance requirements to this College. The amount of advanced credit to be obtained by certificate from another institution is determined by a committee of the Faculty, but no advanced credit will be given without examination except for work done in an approved college. All claims for advanced credit must be made during the first year of residence. Candidates for advanced standing are not admitted later than September of the collegiate year in which they expect to graduate.

Accredited Schools

High schools and academies are placed on the accredited list of the University by action of the Faculty, upon the recommendation of the

Committee on Accredited Schools. This relation implies that the certificates of the school properly attested will be accepted at their face value toward meeting the requirements for admission.

Superintendents or principals desiring to have their schools placed on the accredited list should make application to the Chairman of the Committee on Accredited Schools, who will provide for a proper inspection. The letter of application should give the names of all teachers, with a statement of their preparation for teaching and of their experience as teachers; a careful statement of the methods pursued in teaching Mathematics, Languages, and Sciences; the amount and kind of scientific apparatus and the extent of library facilities accessible to students. The letter should be accompanied with the latest printed catalogue or annual report of the school, containing an outline of the course of study and a list of the text-books used.

The schools which are placed on the accredited list will continue to be accredited for three years, unless the Faculty within this period becomes satisfied that such changes have occurred as to make further inspection desirable.

PROGRAMS OF UNDERGRADUATE STUDY

The courses of study offered in the College of Liberal Arts are listed under the several departments of instruction beginning on page 84. Much of the work there announced is elective, but certain courses are required of all candidates for a degree. These are shown in the schedule below.

The college year is divided into two parts, known as semesters, and the credit assigned to a course is expressed as one hour, two hours, etc., an "hour" of credit being given for work equivalent to one class exercise a week during one semester.

As a condition of graduation, a student must complete one hundred twenty semester hours of work, including the prescribed courses, the equivalent of fifteen class exercises a week for four years.

Schedule of Required Studies

Each candidate for the bachelor's degree must complete the courses prescribed on page 80. The capital letters and numbers following the courses are those used in the full description of courses given in the section on Courses of Instruction, page 84; the small letters refer to the courses required for admission as described on pages 71 to 77.

PRESCRIBED COURSES FOR THE DEGREE OF BACHELOR OF ARTS

I.	Mathematics A1..... Mathematics A3, five hours, may be substituted for this course.	3 hours	1st year
	English Language A.....	3 hours	1st year
VI. II. III.	Two of the following, of which one must be chosen from the first two named: Latin A, Greek A, French A, German A.....each If French or German is chosen, at least one course as advanced as Course A must be taken in College	3 hours	1st year
	English Literature A.....	2 hours	2nd year
IV.	One of the following: Physics A, Chemistry A. Zoölogy A, Botany A, Geology A1 or B3.....	4 hours	2nd or 3rd year
V.	One of the following: History A, E, or BC, Economics A, and either AA or C, Philosophy A1 for the first semester and for the second semester Philosophy A1, L2, or H..	3 hours	2nd or 3rd year

PRESCRIBED COURSES FOR THE DEGREE OF BACHELOR OF SCIENCE

I.	Mathematics A1..... Mathematics A3, five hours, may be substituted for this course.	3 hours	1st year
II.	English Language A.....	3 hours	1st year
III.	French A, see note below.....	3 hours	1st or 2nd year
IV.	German A, see note below.....	3 hours	1st or 2nd year
V.	English Literature A.....	2 hours	2nd year
VI.	Two of the following, of which one must be chosen from the first three named: Physics A, Chemistry A, Zoölogy A, Botany A, Geology A1 or B3.....each	4 hours	1st, 2nd, or 3rd year
VII.	One of the following: History A, E, or BC, Economics A, and either AA or C, Philosophy A1 for the first semester and for the second semester Philosophy A1, L2, or H..	3 hours	2nd or 3rd year

NOTE.—If a candidate has presented for admission to college, Latin a, b, and c, or Greek a, b, and c, all work either in French or

in German may be omitted from this schedule, but in all cases at least one course as advanced as Course A must be taken in one of these languages in College.

Faculty Advisers

Each undergraduate student is assigned to a member of the Faculty who is to act as his adviser and give him helpful counsel relating to his college life. As soon as the student makes choice of the department in which he is to do his major work, the senior professor in that department becomes his adviser and should be consulted freely on all matters relating to subsequent work. The student is required to submit his choice of studies for each year to his adviser and obtain approval of the same before completing his registration; all changes in registration during the year must likewise receive the adviser's approval.

Elective Studies

In making up his program of studies for any year the student must give precedence to prescribed courses and in the order designated in the above schedules. Except by special permission of the Committee on Registration, he must take, in addition to the prescribed studies, elective work sufficient to make a total of fifteen hours a week. The choice of elective courses is subject always to the special regulations of the several departments.

At a date not later than the registration at the beginning of the third year of residence, every candidate for a Bachelor's degree must announce a department in which he proposes to do major work, and also a department in which he proposes to do minor work. The specific courses constituting the major and the minor in the several departments are listed in the schedule on the following pages, and are also stated at the beginning of the descriptions of courses under the department headings.

Students are advised to give careful thought to the plan of their elective work as early as the beginning of the second year. They may find it to their advantage to devote the whole, or a large part, of their elective time in the second year to the major subject. Elective work will be made most profitable by adhering consistently to a plan adopted for each year, and a course once selected should be continued throughout the year.

Schedule of Majors and Minors

Department of Biblical Literature.—Major: Course A and seven additional year-hours, which must include Course E. Minor: Courses A, B, and D.

DEPARTMENT OF BOTANY.—MAJOR: Course A and six additional year-hours. MINOR: Course A and either B, C, or D.

DEPARTMENT OF CHEMISTRY.—MAJOR: Courses A, B, and C. MINOR: Courses A and B.

DEPARTMENT OF ECONOMICS.—MAJOR: Course A together with AA or C and seven additional year-hours, which must include at least two year-hours chosen from Courses D, E, K, L, and R. MINOR: Course A together with AA or C and three additional year-hours not taken concurrently with Course A.

DEPARTMENT OF EDUCATION.—MAJOR: Course A, or Course J, or Courses B and C, and seven additional year-hours, which must include either Course F or Courses G and K. MINOR: Course A, or Courses B and C, or Course J, and three additional year-hours not taken concurrently with Course A, or B and C, or J.

DEPARTMENT OF ENGLISH LANGUAGE.—MAJOR: Courses A and B, and six additional year-hours, which must include one of the Courses C, D, or H, and may include English Literature D. MINOR: Courses A and B and two additional year-hours.

DEPARTMENT OF ENGLISH LITERATURE.—MAJOR: Course A and nine additional year-hours, which must include Course C or D, and may include English Language D. MINOR: Course A and four additional year-hours, of which not more than two year-hours may be taken concurrently with Course A.

DEPARTMENT OF GEOLOGY.—MAJOR: Course A1 and six additional year-hours, which must include at least two year-hours chosen from the C Courses. MINOR: Course A1 or B3, and two additional year-hours not taken concurrently with Course A1 or B3.

DEPARTMENT OF GERMAN LANGUAGE AND LITERATURE.—MAJOR: Courses A and B, and six additional year-hours, which must include Course D. MINOR: Courses A and B.

DEPARTMENT OF GREEK LANGUAGE AND LITERATURE—Major: Courses A and B, and five additional year-hours, not including Course N. MINOR: Courses A and B.

DEPARTMENT OF HISTORY.—MAJOR: Course A, E, or BC and seven additional year-hours, which must include one of the Courses K, R, S, or S1. MINOR: Course A, E, or BC, and three additional year-hours, not taken concurrently with A, E, or BC.

DEPARTMENT OF LATIN LANGUAGE AND LITERATURE.—MAJOR: Courses A and B, with C or D and E or F, or their equivalent. MINOR: Courses A and B.

DEPARTMENT OF MATHEMATICS.—MAJOR: Courses A1, A2 or A3, B1, and six additional year-hours, which must include at least one C course. MINOR: Courses A1, A2 or A3, and B1.

DEPARTMENT OF PHILOSOPHY AND PSYCHOLOGY.—MAJOR: Courses A1 or A2, B, G, and three additional year-hours; or Courses A1, C, and four additional year-hours. MINOR: Courses A1 or A2, B, and two semester-hours not taken concurrently with Course A1 or A2, or Courses A1 and either E, C, or L1 and L2.

DEPARTMENT OF PHYSICS.—MAJOR: Courses A and B, and either C, H, or J. MINOR: Course A and two additional year-hours not taken concurrently with Course A.

DEPARTMENT OF ROMANCE LANGUAGES.—MAJOR: Courses A and B in French, and six additional year-hours, which must include at least two year-hours in French more advanced than Course B. MINOR: Courses A and B in French.

DEPARTMENT OF SEMITIC LANGUAGES.—MINOR: Courses A and B.

DEPARTMENT OF ZOÖLOGY.—MAJOR: Course A and six additional year-hours. MINOR: Course A and two additional year-hours not taken concurrently with Course A.

COURSES OF INSTRUCTION

The courses of instruction offered in the College of Liberal Arts vary slightly from year to year, those listed in the following pages being the courses open to students during the year 1907-08. For completeness, courses offered in alternate years are included in this announcement, with a note to indicate in what years the courses are given.

For the general regulations affecting a student's choice of studies reference should be made to pages seventy-one and seventy-two. Special regulations, if any, governing the order in which courses in the same department should be taken will be found under the department heading.

Any elective study not chosen by at least five persons may be withdrawn at the beginning of a semester.

Astronomy

PROFESSOR HOUGH

A. ASTRONOMY; METEOROLOGY.—A general course in Astronomy and Meteorology adapted to the needs of students with no previous knowledge of the subject. Open to students who have secured a credit of at least sixty semester hours, including Mathematics A1 or Mathematics A3. *Two hours.* Tu., Th., 2. PROFESSOR HOUGH.

Biblical Literature

PROFESSOR PATTEN AND PROFESSOR TERRY

MAJOR: Course A and seven additional year-hours, including Course E. MINOR: Courses A, B, and D.

A. INTRODUCTION TO THE ENGLISH BIBLE.—First semester.—The origin and evolution of the English Bible. The English of the Bible, and English Literature. One hour a week is devoted to the careful reading of selected books of the Bible. Second semester.—The Bible as literature. Lectures and required readings, with papers on the various topics considered. Text used: The American Standard Revised Version, Moulton's Modern Reader's Bible. *Three hours.* Mon., Wed.,

B. THE GOSPEL OF JOHN.—First semester.—A study of the relation of John to the Synoptic Gospels. Second semester.—The Christ of the Gospels as the central point of the Christian Evidences. Lectures and required readings. Open to students who have completed or are taking Bible A. Text: Cambridge Bible for Schools and Colleges. *Two hours.* Tu., Th., 2. PROFESSOR PATTEN.

C. Biblical History.—First semester.—History of the Hebrews, from the Conquest to the Exile. Second semester.—History of the Jews, from the Exile to the Christian era. Open to students who have completed Bible A and are taking or have completed Bible B. Text: Kent's Historical Series. Lectures and required readings. *Three hours.* Mon., Wed., Fri., 3. Professor Patten.

D. Acts of the Apostles and the Epistles.—First semester.—The Acts of the Apostles. An inductive study of the era of Apostolic Christianity. Second semester.—Selected Pauline Epistles. Open to students who have completed Bible A. Text: Cambridge Bible for Schools and Colleges, with lectures and required readings. *Two hours.* Tu., Th., 11. Professor Patten.

E. History of Religion.—First semester.—A survey and a comparison of the principal religions of the world in their rise and development. Text-book, with lectures, assigned readings, and papers. Second semester.—Special study of individual ethnic religions with emphasis upon their relation to Christianity. Lectures and required readings with text. Open to students who have a credit of sixty hours. *Two hours.* Tu., Th., 3. Professor Patten.

F. Christian Doctrine.—This course is given in Garrett Biblical Institute, and students electing it are subject to the regulations of that school. *Three hours.* Hours to be arranged. Professor Terry.

Greek New Testament, See Greek N; Hebrew Old Testament, See Semitic Languages A and B; History of the Christian Church, See History L.

Botany

Professor Atwell and Miss Jewell

Major: Course A and six additional year-hours. Minor: Courses A and either B, C, or D.

AA. Morphology and Life-Histories of Plants.—A summer course in Elementary Botany equivalent to Botany, 24, or Group C, page —. The great groups of algæ, fungi, mosses, ferns, and seed plants will be considered in lectures, laboratory, and field work. Emphasis is placed upon the relations of plants to environment. The identification of the early summer flora will constitute an important part of field and laboratory work on Wednesdays and Saturdays. Registration for this course should be made as early as June 20. Work begins June 22 and continues until August 1. *Four hours.* Daily, forenoons, six weeks. Professor Atwell.

A. Principles of Botany.—The biology and morphology of typical plants selected from the more important natural groups. Ecology and classification receive attention during the months of October and May. Laboratory and field work, with quizzes and informal lectures. *Four hours.* Lectures, Wed., Fri., 2. Laboratory, Tu., Th., 8 to 10, or 2 to 5. Professor Atwell and Assistants.

B. Seed Plants.—First semester: Histological methods as applied to structure and development. Second semester: Morphology, distribution, and economic uses of the more prominent plant families; the general principles of forestry; the study of the trees and forests of the locality. Open to students who have had a year's course in Botany or Botany AA. *Four hours* of credit may be obtained by doing special work Saturday mornings. *Three hours.* Mon., Wed., Fri., 8 to 10. Professor Atwell and Miss Jewell.

C. Plant Physiology and Ecology.—This course is experimental, and should be preceded by Botany A or its equivalent. An elementary course in Chemistry is also desirable. Books of reference are provided. *Three hours.* Mon., Wed., Fri., 10 to 12. Professor Atwell and Miss Jewell.

D. Cryptogamic Botany.—Comparative morphology of ferns, mosses, algæ, and fungi. The cultivation in artificial media of bacteria of water, milk, and ice; the study of their physiology, morphology, and relation to fermentation and putrefaction. The study of yeast in relation to fermentation; and of such lower fungi as slime-moulds, fruit-moulds, mildews, and rusts as to their life histories and morphology. Laboratory work, lectures, and field work. Books of reference are provided. Open to students who have completed or are completing a major or a minor in Botany. May be taken concurrently with Botany B or Botany C. *Two to four hours.* Hours to be arranged. Professor Atwell.

F. Advanced Physiology of Plants.—Extended experimental work upon definite physiological problems. Open to students who have completed Botany A, Botany B, and Botany C, and an elementary course in Chemistry. *Two to five hours.* Hours to be arranged. Professor Atwell.

G. Special Problems in Plant Life.—Problems involving original work will be assigned to suit the needs of individual students. Open to students who have completed the major requirements in Botany. *Three to five hours.* Hours to be arranged. Professor Atwell.

Chemistry

PROFESSOR YOUNG AND PROFESSOR HINES

MAJOR: Courses A, B, and C. MINOR: Courses A and B.

Course A is introductory, and it, or its equivalent, is prerequisite to other work in the department. Courses B and C follow in sequence, but they may be taken concurrently. Courses BC, D, and E are open to those who have completed A, B, and C, but Course BC may be taken concurrently with Course C. For Course H only Courses A and B are prerequisite. Course G is designed for those who have completed the other courses in the department, and it is open to others only by the permission of the instructor in charge.

A. GENERAL CHEMISTRY, ELEMENTARY.—Text and laboratory work. Those who have had a course in elementary Chemistry, but not sufficient to qualify for Chemistry B, may, by taking Section II, have the laboratory work modified so as to avoid unnecessary repetition of what has already been done. Credit is not given unless the full course is completed. *Four hours.* Class work, Tu., Th., 1:30 to 2:30. Laboratory, Section I. Tu., Th., 2:30 to 4; Wed., 1:30 to 4; Section II. Mon., Fri., 1:30 to 4; Section III. Tu., Th., 2:30 to 5, and one forenoon hour Tu. or Wed. PROFESSOR YOUNG.

B. QUALITATIVE ANALYSIS; ORGANIC CHEMISTRY.—Lectures, recitations, and laboratory work. *Four hours.* Mon., Wed., Fri., 1:30 to 4:30. PROFESSOR HINES.

C. QUANTITATIVE ANALYSIS.—First semester.—Gravimetric analysis. Second semester.—Volumetric analysis. *Three hours.* Tu., Th., 1:30 to 4:30. PROFESSOR HINES.

BC. ADVANCED ANALYTICAL CHEMISTRY.—Selected topics from the following: (a) Qualitative analysis of commercial products and of substances more complex than are presented for analysis in Chemistry B. (b) Quantitative analysis, special methods for the analysis of technical materials, ores, etc. *Three hours.* Hours to be arranged. PROFESSOR HINES.

D. SANITARY AND FOOD ANALYSIS; ANALYSIS OF IRON AND STEEL.—First semester.—Examination of water, milk, butter, etc. Second semester.—Analysis of iron and steel. *Three hours.* Tu., Th., 9 to 12. PROFESSOR HINES.

E. ADVANCED COURSE IN GENERAL CHEMISTRY.—A course of reading on somewhat advanced topics. The work has been based on Ostwald's

Outlines of General Chemistry. Credit is not given for this course unless it is continued throughout the year. *Two hours.* Hours to be arranged. Professor Young.

G. Topics of Investigation.—Problems involving original research in inorganic and organic chemistry. Credit and hours to be arranged. Not given in 1907-08.

H. Organic Chemistry, Advanced Course.—Lectures. A systematic study of the synthetic relations of the compounds of carbon. *Two hours.* Hours to be arranged. Not given in 1907-08.

Economics, Finance, and Administration

Professor Hotchkiss, Professor Howard, and Mr. Deibler

Major: Course A, together with AA or C, and seven additional year-hours, including at least two year-hours chosen from Courses D, E, K, L, and R. Minor: Course A, together with AA or C, and three additional year-hours not taken concurrently with Course A.

The following courses are arranged in four divisions: I, Courses A, AA, and C, which require no previous economic study; II, Courses B, F, G, H, I, J, M, N, Q, and S, to which Course A is a prerequisite; III, Courses D, K, L, and R, the prerequisite to which is a full year of economic study, including Course A; IV, Course E, a seminary course open to graduates and, at the discretion of the instructors in charge, to undergraduates who have completed at least two full years of economic study. It is recommended that a major in economics be accompanied by a minor in history.

A. The Elements of Economics.—A one semester, introductory course in economic theory. *Three hours.* Section I. Mon., Wed., Fri., 9. first semester only, Professor Howard; Section II. Mon., Wed., Fri., 3, first semester only, Professor Hotchkiss; Section III, Mon., Wed., Fri., 10, second semester only, Mr. Deibler.

AA. Financial History of the United States.—From 1789 to the present time. Dewey's Financial History of the United States. *Three hours.* Mon., Wed., Fri., 10. First semester only. Mr. Deibler.

B. Administration.—Comparative administrative law and practice; municipal government and the problem of municipal administration. The course may well be preceded by History N, or be taken concurrently with it. Ashley's Local and Central Government; Goodnow's

Municipal Home Rule; other books to be announced. *Three hours.* Mon., Wed., Fri., 2. PROFESSOR HOTCHKISS.

C. MODERN INDUSTRIAL AND COMMERCIAL HISTORY.—The development of industrial processes and the adaptation of economic institutions to changed conditions; the origin and growth of modern economic ideas in Western Europe and the United States since the middle of the eighteenth century. *Three hours.* Mon., Wed., Fri., 3. Second semester only. PROFESSOR HOWARD.

D. PUBLIC FINANCE AND TAXATION.—A comparative study of the budget systems in the leading countries. Special attention to present methods of taxation; justice and incidence of taxation. Adams' Science of Finance and Bastable's Public Finance. *Two hours.* Tu., Th., 9. MR. DEIBLER.

E. SEMINARY.—Open to graduates and to a limited number of undergraduates who have had the requisite amount of economic study, and who seem to the instructors prepared to make original investigations. An undergraduate may not register for more than three hours except by permission of the faculty. Subjects of investigation are arranged each year after consultation with those who expect to take the course, the greatest liberty of choice being allowed each student. *Three to six hours.* Tu., 8 to 10 p. m. PROFESSOR HOTCHKISS, PROFESSOR HOWARD, and MR. DEIBLER.

F. COMMERCIAL AND ECONOMIC GEOGRAPHY.—A general survey of modern commerce as influenced by resources and leading industries. The effect of economic and trade conditions upon international relations. Adams' Commercial Geography. Given in alternate years with Economics M. *Two hours.* Tu., Th., 9. PROFESSOR HOWARD.

G. THE LABOR QUESTION IN EUROPE AND AMERICA.—The economic and social conditions of the working classes in Europe and the United States. Factory legislation. Growth of labor organizations; strikes and lockouts; the open and the closed shop; collective bargaining; State regulation of labor disputes; recent legislation and judicial decisions. *Three hours.* Mon., Wed., Fri., 8. MR. DEIBLER.

H. TARIFF HISTORY OF THE UNITED STATES.—The development of the tariff system. Special attention will be given to the effect of the tariff upon American industries and the attitude of different sections and interests toward the tariff. Lectures, discussions, and topics. Students in this course may enter Course I in the second semester

with the permission of the instructor. *Two hours.* Tu., Th., 10. First semester only. Not given in 1907-08. Mr. Deibler.

I. Sociology and Social Reform.—The general principles of social evolution and progress with particular reference to practical social problems. The best modern methods of dealing with the dependent and delinquent classes. *Two hours.* Tu., Th., 10. Not given in 1907-08. Professor Hotchkiss and Mr. Deibler.

J. Transportation.—The general principles of railway transportation; the history of American railroads; the development of organization, management, consolidations, and control; railway finance and rate making; state and federal legislation; the Interstate Commerce Commission. Johnson's American Railway Transportation, Myer's Railway Legislation, and the reports of the Interstate Commerce Commission. *Three hours.* Mon., Wed., Fri., 9. Second semester only. Professor Howard.

K. Corporation Finance.—The private corporation in its historical, economic, and legal aspects. A review of Illinois and New Jersey corporation law, cases embodying the most important decisions. Methods of promotion, capitalization, and underwriting; the methods of obtaining new capital, sinking funds, consolidation, and merger; bankruptcies and reorganization; forms of stocks and bonds, their values, methods of marketing through stock exchanges and otherwise. Green's Corporation Finance, Pratt's The Work of Wall Street. This course should be followed by Economics L. *Three hours.* Mon., Wed., Fri., 11. First semester only. Professor Howard.

L. Government Regulation of Industrial Combinations.—Development of the Trust Problem; the economic basis of industrial combination; the economy of production on a large scale; its relation to monoply; the principles of monoply price; monopoly and the restraint of trade; the common law and contracts in restraint of trade; the police power in relation to industrial combination; anti-trust laws in the American states; the Sherman Anti-Trust Law; Federal and State power to regulate; Federal powers under the Interstate and Foreign Commerce Clause; regulation through the tax power; attitude of foreign governments toward industrial combinations. Jenks' The Trust Problem and other texts. To be taken as a continuation of Economics K. *Three hours.* Mon., Wed., Fri., 11. Second semester only. Professor Hotchkiss.

M. Colonial Governments, or Colonies, Dependencies, and Spheres of Influence.—The economic, social, and political conditions

in the English and Dutch colonies and the outlying districts of the United States. Relation of European nations to the so-called less progressive peoples. Interests of the United States in the Orient. Given in alternate years with Economics F. *Two hours.* Tu., Th., 9. Not given in 1907-08. Professor Hotchkiss.

N. Present Day Social Problems.—Some of the more important problems of present day society, especially those characteristic of congested industrial centers. Poverty and its causes, with the attendant phenomena of disease, delinquency, and other social maladies; the sphere of the state and city, of employers, of organized labor, of individuals and private foundations in promoting wholesome social conditions; the interpretation of various social betterment activities with reference to standards of social justice. *Two hours.* Tu., Th., 3. Professor Hotchkiss.

Q. Money, Credit, and Banking.—The nature and functions of money; the relation of credit to money; the influence of money and credit on price; the gold standard and paper money; the function of banks in supplementing a medium of exchange; the main principles of the law of banking and of bills and notes; loans, deposits, reserves, and foreign exchange. *Two hours.* Tu., Th., 11. Professor Howard.

R. Advanced Economic Theory.—An intensive study of the theory of value for advanced students. The development of economic thought from the time of Adam Smith. Comparison of the theories of Smith, Ricardo, and Mill with those of the Historical and Austrian schools, and of contemporary economic writers. *Two hours.* Tu., Th., 10. Mr. Deibler.

S. Social and Economic Field Work.—Students registered for other courses in Economics may at the discretion of their instructors investigate and report on certain social and industrial institutions in the neighborhood of Chicago. Credit may be given for such work done in excess of the requirements in other courses. *One hour.* Hour to be arranged. Professor Hotchkiss, Professor Howard, and Mr. Deibler.

Education

Professor Fisk and Professor Libby

Major: Course A, or Courses B and C, or Course J, and seven additional year-hours, which must include either Course F or Courses G and K. Minor: Course A, or Courses B and C, or Course J, and

three additional year-hours not taken concurrently with Course A, or B and C, or J.

A teacher's diploma will be issued to students who fulfill the requirements described on page 136.

A. General History of Education.—The relation of institutional education to the development of civilization and culture; the discussion of pedagogical principles; and the intensive study by individual students of the great educators, Plato, Rousseau, Spencer, et al. Monroe's Text-Book in the History of Education, Compayré's History of Pedagogy, Brown's The Making of Our Middle Schools, and Ziegler's Geschichte der Pädagogik are recommended for reference. *Three hours.* Mon., Wed., Fri., 3. Professor Libby.

B. Principles of Education.—Lectures, readings, and discussions. Text-books: Compayré's Lectures on Pedagogy, Horne's Philosophy of Education, Rooper's Apperception, Lange's Apperception, De Garmo's Interest and Education, McMurry's Elements of General Method, Hughes' Securing and Retaining Attention. *Two hours.* Mon., Wed.,

C. School Administration.—Lectures, readings, and discussions. Text-books: Tompkins' Philosophy of School Management, De Garmo's Principles of Secondary Education, Roark's Economy in Education, Calderwood's On Teaching. Open to students who have completed Education A or Education B. *One hour.* Fri., 4. Professor Fisk.

D. Experimental Pedagogy.—Investigation of the basis of method, studying the content of the child mind, fatigue, types of imagination, fidelity of memory, retention and recall. The learning process, by introspection and by observation of others. The research method will be employed. The works of Lay and Binet are recommended for reference. Open to students who have completed the first semester of Philosophy A1. *Three hours.* Mon., Wed., Fri., 9. Second semester only. Professor Libby.

E. General and Special Methods.—Lectures, readings, discussions, written reports, high school visitations, demonstrations, examination of text-books, apparatus, etc. Lectures by representatives of departments as follows: I. History. See History I; II. Latin. See Latin J, H, and K; III. Mathematics. See Mathematics B3; IV. Physiography. See Geology A2. *One to three hours.* Tu., Th., Sat., 9. Professor Fisk, Professor Libby, and the instructors in the several departments.

F. History of Modern Education.—Open to students who have completed Education A. *Three hours.* Mon., Wed., Fri., 3. Not given in 1907-08. Professor Libby.

G. Adolescence.—Lectures. Growth in height and weight, growth of the brain and other organs, psychic development, motor education, conversion, adolescent feelings, diseases, crimes, rites, the education of girls, boys' gangs, etc. Hall's Adolescence is used for reference. The class presents written reports on monographs. Open to students who have completed two year-courses in Education. *Two hours.* Tu., Th., 10. Professor Libby.

H. Pedagogical Psychology.—See Education D and Philosophy H.

J. Secondary Education in the United States.—The history of American middle schools, comparison with foreign systems, organization, discipline, curricula, methods, management, hygiene, report of the Committee of Ten, report of the Committee on College Entrance Requirements. High school visitations with reports, the criticism of text-books, etc. Reading of periodicals. This course is directly preparative for high school teaching and may be taken in conjunction with Education E. *Three hours.* Mon., Wed., Fri., 10. Professor Libby.

K. Education from the Sociological Point of View.—The school in relation to the family, state, and other social forces; education to philanthropy and to the progress of civilization; the function of the industrial school, night school, reformatory school, school for defectives, kindergarten, university settlement, special institutions. Seminary, lectures; reading of recent books and periodicals. Open to students who have completed two year-courses in Education. *Three hours.* Mon., Wed., Fri., 9. First semester only. Professor Libby.

Elocution

Professor Cumnock and Mr. Dennis

A. First Course.—Russell's Manual of Elocution and Cumnock's Choice Readings are used. Instruction is given in the management and regulation of the breath; the proper use of the body in the development of vocal energy; the most advanced knowledge of English phonation; the most approved methods of acquiring distinct articulation; the function of the natural and orotund voices; the application of force, stress, pitch, rate, quantity, and emphasis, and their importance as the dynamics of expressive speech; the use of inflection for the purpose of emphasis and melodious effect; the fundamental principles of gesture and their application. *Two hours.* Section I. Mon., Wed., 4; Section II. Tu., Th., 4. Mr. Dennis.

B. Study of Masterpieces of English Eloquence.—The chief object is to establish the student in the best literary and elocutionary

form, by bringing him into contact with the most perfect models. Open to students who have completed Elocution A. *Two hours.* Section I. Tu., Th., 8; Section II. Wed., Fri., 8. MR. DENNIS.

C. PRINCIPLES OF VOCAL EXPRESSION.—This course is designed especially for the year of graduation. Great stress is laid upon the acquisition of perfect form in common reading and oratorical address. The written productions are carefully examined, and the class instruction is supplemented by personal advice and criticism. Open to students who have completed Elocution B. *Two hours.* Mon., Fri., 9. PROFESSOR CUMNOCK.

D. BIBLE, HYMN, AND LITURGIC READING.—*Two hours.* Mon., Fri., 11. PROFESSOR CUMNOCK.

English Language

PROFESSOR CLARK, MISS POTTER, MR. ODELL, MR. SHERBURN, AND MR. RARIG

MAJOR: Courses A and B and six additional year-hours, which must include one of the Courses C, D, or H, and may include English Literature D. MINOR: Courses A and B and two additional year-hours.

A. RHETORIC; SYNONYMS. EIGHT ESSAYS.—First semester.—A practical drill in the elements of good style. Second semester.—Rhetorical imagery and synonyms. All students, unless excused by the registration committee, take this course during the first year of residence. Students who show, early in the first semester, that they are seriously deficient in elementary English, will be required to take additional work in this subject for such time as may be found necessary. No credit will be given for any part of English A till the whole course, including the addditional work already mentioned, shall have been completed. *Three hours.* Mon., Wed., Fri., 8, 9, 10, 11, 2, and 3; Tu., Th., Sat., 8, 9, and 10. MR. ODELL, MR. SHERBURN, and MR. RARIG.

B. PROSE MASTERPIECES; PARAGRAPHING.—First semester.—A study of the diction and the distinctive characteristics of the great writers of prose. After a minute examination of the style and the diction of a given author, each member of the class writes a theme exemplifying the peculiar merits of the author. Twenty-four prominent prose writers are thus studied during the year. Open to students who have completed English Language A. *Two hours.* Tu., Th., 9 and 10. PROFESSOR CLARK.

C. VERSIFICATION; POETIC MASTERPIECES.—First semester.—A study of the mechanics of English versification and of the diction and dis-

tinctive characteristics of the great poets. Second semester.—A study of the diction and the distinctive characteristics of the great poets. This work begins about November 1, in the first semester. Open to students who have completed English Language A. *Two hours.* Wed., Fri., 9. Professor Clark.

D. History of the English Language; Anglo-Saxon; Early English.—After reviewing the history of the English language, the class takes up, briefly, the outlines of Anglo-Saxon grammar. The larger part of the year is devoted to the reading of selections from fifteen pre-Chaucerian authors, from Bæda to Gower, inclusive. Open to students who have completed English Language A and one course in German. *Two hours.* Tu., Th., 3. Professor Clark.

F. Advanced Composition.—Each member of the class writes two short articles every week during the college year. Open to students who have completed English Language A and B. *Two hours.* Wed., Fri., 10. Professor Clark and Mr. Odell.

G. Biblical English.—The diction, imagery, and idiom of the English Bible. Open to graduate students only. *Three hours.* Hours to be arranged. Professor Clark.

H. The Longer Forms of Narration.—Students are required to analyze short story masterpieces as models and, later, to construct original stories. Open to graduates and to undergraduates who have completed English Language A, B, and F. *Two hours.* Tu., Th., 4. Mr. Odell.

I. Composition for Public Speaking.—Open to students who have completed English Language A and B. *Two hours.* Hours to be arranged. Mr. Rarig.

J. English Syntax.—The work in syntax is preceded by tests of the ability to form clear mental images and to interpret written language. The larger part of the time is devoted to a consideration of the reasons for the sentence structure of present-day English, as revealed through a study of the relation of the sentence and its parts to the thought and ideas expressed. *Two hours.* Mon., Wed., 11. Miss Potter.

English Literature

Professor Brown, Professor Goddard, and Mr. Chase

Major: Course A and nine additional year-hours, which must include Course C or D, and may include English Language D. Minor:

Course A and four additional year-hours, of which not more than two year-hours may be taken concurrently with Course A.

Course A is prerequisite to all other courses in the department, except that Course B or H may be taken at the same time with Course A. Course C must be preceded, or accompanied, by Course J, and Course K by Course D.

The attention of graduate students is especially invited to Courses C, J, K, and Z. These courses are for advanced students only. Courses K and Z are intended to suggest problems of research and to impart some acquaintance with methods of literary investigation. Courses A, B, and H may not be counted toward advanced degrees.

A. General View of English Literature.—A general outline of the development of English literature. Lectures, recitations, and a considerable amount of reading. Required of all students in regular courses. Students are expected to take this course as early as the second year. *Two hours.* Lecture, Mon., 3. Sections, Tu., 9; Wed., 10 and 3; Th., 9 and 11; Fri., 9 and 3. Professor Brown, Professor Goddard, and Mr. Chase.

B. The History of American Literature.—First semester.—Edwards, Franklin, Brockden Brown, Irving, Bryant, Cooper, Poe, Emerson, Thoreau. Second semester.—Whittier, Longfellow, Hawthorne, Lowell, Holmes, Whitman. For the most part stress is laid on the works of individual writers rather than on currents of literary development, but the historical aspects of the transcendental movement are considered. Particular attention is given to literature of the nineteenth century. Open to students who have completed or are taking English Literature A. *Two hours.* Tu., Th., 8. Mr. Chase.

J. English Literature from its Beginning to 1557.—First semester.—Anglo-Saxon Literature. Bright's Anglo-Saxon Reader is used. Second semester.—Béowulf is read. Middle English Literature. Open to students who have completed English Literature A. *Three hours.* Tu., Th., 10; Fri., 5. Mr. Chase.

C. Chaucer.—First semester.—A detailed study of a large number of the Canterbury Tales. Second semester.—The Parlement of Foules, the Legende of Gode Wommen, and so much of the Troilus and Criseyde as time permits. English Literature J or an equivalent should precede or accompany English Literature C. *Three hours.* Mon., Wed., Fri., 10. Professor Brown.

D. Shakespeare.—First semester.—A careful and detailed study

of three of Shakespeare's plays; for 1907-08, Henry IV, Part I, King Lear, The Winter's Tale; for 1908-09, Richard III, Hamlet, The Tempest. This semester may be taken in two successive years. Second semester.—All of Shakespeare's plays are read in chronological order. Lectures on the development of Shakespeare's art and on his relations to preceding and contemporary dramatists. Open to students who have completed English Literature A. *Three hours.* Mon., Wed., Fri., 11. Professor Brown.

E. English Literature of the Sixteenth and Seventeenth Centuries, 1557-1660.—First semester.—Wyatt, Surrey, Lyly, Sydney, and Spenser. Among the topics discussed are: the influence of foreign literary models; the development of blank verse and the sonnet; euphuism, and literary criticism in the sixteenth century, 1557-1599. Second semester.—Milton and his contemporaries, 1599-1660. Open to students who have completed English Literature A. *Three hours.* Mon., Wed., Fri., 2. Given in 1908-09 and in alternate years. Professor Goddard.

F. Classicism, 1660-1789.—First semester.—From the Restoration to the death of Pope, 1660-1745; Classicism in poetry; the rise of the essay; the development of prose; the development of the novel. Second semester.—From the death of Pope to the French Revolution, 1745-1789; the decline of Classicism; the beginnings of Romanticism. Open to students who have completed English Literature A. *Three hours.* Mon., Wed., Fri., 2. Given in 1907-08 and in alternate years. Mr. Chase.

G. The Romantic Movement, 1789-1830.—First semester.—Wordsworth, Coleridge, Southey, Lamb, Jeffrey, Landor, Jane Austen. Second semester.—Scott, Byron, Keats, Shelley, Leigh Hunt, De Quincey, Hazlitt. The return to nature; the influence of the French Revolution; the revolt against artistic conventions; the awakening of interest in the middle ages; the revival of the individual spirit in English literature, are topics discussed. Open to students who have completed English Literature A. *Two hours.* Tu., Th., 9. Professor Brown.

H. English Poetry from 1830 to 1880.—First semester.—Tennyson, Matthew Arnold, Clough. Second semester.—Mrs. Browning, Browning, Fitzgerald, the Rossettis, Swinburne, and other poets of the period. The larger part of the time is devoted to the study of Tennyson, Browning, and Arnold. Open to students who have completed or are taking English Literature A. *Two hours.* Tu., Th., 11. Professor Goddard.

I. English Prose from 1830 to 1880.—First semester.—Carlyle, Newman, Emerson, John Stuart Mill. Second semester.—Matthew Arnold, Ruskin, Pater, Thackeray, Dickens, George Eliot, Meredith. These writers are studied as representatives of the thought and life of the period. A large amount of reading and papers on topics suggested by the course are required. Open to students who have completed English Literature A. *Three hours.* Mon., Wed., Fri., 9. Professor Goddard.

K. The Elizabethan Drama.—First semester.—From the Miracle Plays through the Moralities, the Interludes, and the plays of Lyly, Greene, Peele, Kyd, Marlowe to Jonson. Second semester.—Through the plays of Jonson, Shakespeare, Dekker, Chapman, Heywood, Beaumont and Fletcher, Middleton, Webster, Ford, Massinger, Shirley, and Davenant to the Restoration. Open to students who have completed English Literature D. *Three hours.* Mon., Wed., Fri., 8. Given in 1907-08 and in alternate years. Professor Goddard.

L. The Drama from the Restoration to the Present Time.—The development of the nineteenth century drama on the continent and in England. Open to students who have completed five year-hours in English Literature. *Three hours.* Mon., Wed., Fri., 8. Given in 1908-09 and in alternate years. Professor Goddard.

Z. Seminary.—In 1907-08 the subject is the English Metrical Romances of the Arthurian Cycle. Each student prepares and reads before the class a series of reports which he afterwards puts into the form of a thesis. Besides the Metrical Romances, among subjects discussed may be mentioned: the lays, the ballads, the Mabinogion tales, the Cuchulinn and the Finn cycles of Irish literature, the legend of the Holy Grail. Among authors touched on are: Geoffrey of Monmouth, Layamon, Chrétien de Troyes, Wolfram von Eschenbach, the Gawain-poet, Sir Thomas Malory. Open to graduate students only. *Three hours.* Hours to be arranged. Professor Brown.

French

See Romance Languages.

Geology

Professor Grant, Professor Goldthwait, Mr. Coghill, and Mr. Cady

Major: Course A1 and six additional year-hours, which must include at least two year-hours chosen from the C courses. Minor:

Course A1 or B3, and two additional year-hours not taken concurrently with A1 or B3.

This department, in addition to offering courses for general education, Courses A1, A2, B2, B3, C1, especially, presents courses intended to aid in preparing students (1) to teach physical geography and geology in secondary schools, (2) to enter mining schools, or to engage in mining, and (3) to become professional geologists in connection with State or National geological surveys or in connection with teaching or economic geology. For (1) Courses A1, A2, B1, B2, B3, and C2 are recommended; for (2) Courses A1, B1, B3, B4, B5, C1, and C3; and for (3) all courses are recommended. In most of the courses in geology part of the work consists of excursions taken into the adjacent country for the study of geological phenomena in the field. A knowledge of the elements of chemistry and physics will be advantageous to those taking courses in geology. Students intending to take more than one course in geology should begin with Geology A1, or B3. Of Geology B1, C1, and C3, not more than two will be given in any one semester.

A1. General Geology.—A general introduction to geology and to the physiography of the lands. *Four hours.* Mon., Wed., Fri., 10. Laboratory hours to be arranged on Mondays at 11 or on Tuesdays at 9, 10, or 11. Professor Grant, Professor Goldthwait, and Mr. Cady.

A2. Physical Geography.—First semester.—The earth as a planet, the atmosphere, the ocean, maps; laboratory exercises and observations of weather conditions. Second semester.—Physiography of the land; relation of plants and animals, especially man, to geographic surroundings; physiographic regions of the United States. This course is intended as a general educational course; as a foundation course for those taking work in economics and history; as a course for those expecting to teach geography in secondary schools; and as a brief course in earth study for those who cannot spend the time required by Geology A1. The second semester may be taken without the first. Students taking Geology A1 will receive no credit for the second semester of Geology A2. *Three hours.* Tu., Th., 2. Laboratory hours to be arranged. Professor Goldthwait.

B1. Practical Geology.—First semester—A more advanced study of structural and dynamical geology than is given in Geology A1. Second semester.—Methods of geological work, preparation of maps and sections, geological surveys, history of geology. A considerable part of this semester's work will be devoted to the actual mapping, geo-

graphically, topographically, and geologically, of a small area and to the preparation of a report on the same. The first semester is open to students who have completed Geology A1 and Chemistry A, or a year of entrance chemistry. The second semester may be taken without the first, and is open to students who are taking or who have completed Geology A1. *Three hours.* Tu., Th., 10. Laboratory hours to be arranged. PROFESSOR GRANT.

B2. REGIONAL PHYSIOGRAPHY AND GEOLOGY OF THE UNITED STATES; GLACIAL GEOLOGY.—First semester.—The country is divided into physiographic provinces, and the peculiar features of geological structure, relief, and drainage in each are studied; natural resources and industries are briefly considered. Second semester.—A study of the North American ice-sheet, its nature, its history, and its work. The extinct ice-sheet is studied in the light of existing glaciers of the Alps, Alaska, and Greenland. The physiographic features of different parts of the glaciated area in the United States are studied and discussed. The first semester is open to students who have completed Geology A1 or A2. The second semester may be taken without the first and is open to students who are taking or who have completed Geology A1. *Three hours.* Hours to be arranged. PROFESSOR GOLDTHWAIT.

B3. MINERALOGY.—This course includes crystallography, blowpipe analysis, and determinative mineralogy. The first two subjects occupy about three-fourths of the first semester, and the last occupies the rest of the year. Open to students who have completed Chemistry A or who have presented a year of chemistry for entrance. *Four hours.* Tu., Th., 11. Laboratory work, four hours a week, to be arranged between 8 and 12, Mon., Tu., Wed., Th. MR. COGHILL.

B4. ASSAYING.—A course in fire assaying which involves thorough work in the assay of rich, medium, and low grade ores of gold, silver, lead, and copper. The subject is treated as a branch of metallurgy, text-books being used to supplement the laboratory work. Open to students who have completed Geology B3 or Chemistry A. *Two hours.* Hours to be arranged. MR. COGHILL.

B5. ELEMENTARY MINING AND METALLURGY.—The object of this course is to familiarize the student with operations and processes. These subjects are taught largely by lectures illustrated with photographs, lantern slides, and drawings. Visits are made to near-by mines and metallurgical plants. First semester.—Mining. Second semester.—Metallurgy. The second semester may be taken without the first. The first semester is open to students who have completed Geology A1, or

Geology B3, or Chemistry A. The second semester is open to students who are taking or who have completed Geology B3. *Two hours.* Mon., Wed., 8. Mr. Coghill.

C1. Economic Geology.—First semester.—The non-metallic mineral resources of the United States—such as water, building materials, fuel. Second semester.—The metallic mineral resources of the United States—such as iron, copper, lead, zinc, gold, silver—and the study of ore deposits in general. The second semester may be taken without the first. Open to students who have completed Geology A1 and are taking or have completed Geology B3. *Two hours.* Tu., Th., 8. Professor Grant.

C2. Historical Geology.—A study of the evolution of the North American continent. Maps, fossils, and rock specimens are used to supplement the text-book and lectures. Open to students who have completed Geology A1 and the first semester of Geology B2. *Two hours.* Mon., Wed., 2. Professor Goldthwait.

C3. Petrology.—The first part of the course is devoted to the study and determination of the common rock-forming minerals by means of the petrographical microscope, and the second part is devoted to the study of the more important rocks. Open to students who have completed Geology A1 and B3, or to those who have completed one of these courses and are taking the other. *Four hours.* Hours to be arranged. Professor Grant.

D. Primarily for Graduates.—Graduate work is offered along the following lines: Advanced Petrology; Pre-Cambrian Geology, a study of the principles and methods used in investigating the non-fossiliferous rocks, followed by a study of the geology of the Lake Superior region with special reference to the formations which contain the extensive deposits of copper and iron ores; Quaternary History of the Great Lakes; Research Work, investigations along certain lines, especially the geology of some particular district. It is not expected that both Advanced Petrology and Pre-Cambrian Geology will be given in one semester. Credit and hours to be arranged. Professor Grant and Professor Goldthwait.

German Language and Literature

Professor Hatfield, Professor Curme, Mr. Edward, Mr. Bernstorff, and Mr. Schryver

Major: Courses A and B and six additional year-hours, which must include Course D. Minor: Courses A and B.

AA. Elementary German.—Pronunciation, grammar, selections in prose and verse, German composition. This course may not be taken to remove language requirements for admission, and credit will not be given unless the full course is completed. *Five hours.* Mon., Tu., Wed., Th., Fri., 8, 10, and 11. Mr. Edward, Mr. Bernstorff, and Mr. Schryver.

A. Intermediate German.—Open to students who have presented two units of German for admission to college and to those who have completed German AA. Sections I, III, IV—Modern Prose writers, Storm, Freytag, Seidel, Ernst, etc. German lyrics and ballads, Goethe's Hermann und Dorothea. Sections II, V, VI—Lessing's Minna von Barnhelm, German lyrics and ballads, Schiller's Wilhelm Tell and Maria Stuart, Goethe's Hermann und Dorothea. *Three hours.* Sections II, III, IV, V, VI, Mon., Wed., Fri., 9, two sections; 10, two sections; 11, one section; Section I. Tu., Th., Sat., 8. Professor Curme, Mr. Edward, Mr. Bernstorff, and Mr. Schryver.

B. Goethe's Life and Works, 1749-1790.—First semester.—Dichtung und Wahrheit, Goetz von Berlichingen, Werther, and the earlier lyrics. Study of the life of Goethe, for which purpose the possession of Heinemann's Goethe is very desirable. Second semester.—Lyrics, Egmont, Iphigenie, Tasso, Italienische Reise. German H may be suitably combined with this course. Open to students who have completed German A. German B may be taken a second time with new subject matter, for a credit of two hours. In 1908-09 the work of Course B will be centered about the period of the Thirty Years' War as treated in literature. *Three hours.* Mon., Wed., Fri., 8, 11, and 3. Professor Hatfield, Professor Curme, and Mr. Bernstorff.

C. Goethe's Faust.—This course, conducted in German, in which both parts of the drama will be read, is intended for mature students. Open to students who have completed German B and have sixty semester hours of college credit. *Two hours.* Tu., Th., 11. Professor Hatfield.

D. The History of German Literature.—A systematic study of German literature from the earliest times. Robertson's History of German Literature and Max Müller's German Classics. Open to students who have completed German B. *Two hours.* Mon., Fri., 3. Professor Hatfield.

E. Seminary.—First semester.—Goethe's life and works. Second semester.—Schiller's life and works. This course, which is given on the seminary plan, is intended for graduate students, and in all cases

enrollment will be at the discretion of the instructor. Suitable original work will be brought to publication as far as opportunity allows. In 1908-09 the subjects treated wil be: First semester.—From Luther to Goethe. Second semester.—Poets of the liberation, Platen and Heine. *Two to five hours.* Sat., 8:30 to 10. PROFESSOR HATFIELD.

F. GERMAN NOVEL AND SHORT STORY.—Two courses in the modern German novel and short story are given in alternate years. They present an outline of German life in the nineteenth century as reflected in this form of literature. First Half of the Century: H. von Kleist, Hauff, E. T. A. Hoffmann, Immermann, Stifter, Grillparzer, Ludwig, C. F. Meyer; given in 1908-09. Second Half of the Century: Spielhagen, Storm, Heyse, Keller, Raabe, Fontane, Wildenbruch, Sudermann, Frenssen; given in 1907-08. Open to students who have completed German B. German J and F may be suitably combined. *Two hours.* Tu., Th., 3. MR. EDWARD.

G. COLLOQUIAL GERMAN.—Mosher's Wilkommen in Deutschland, Kron's German Daily Life, and other material. Open to students who have completed one year of German and to others by special permission. *One hour.* Tu., Th., 9. MR. EDWARD.

H. ADVANCED GERMAN COMPOSITION.—Von Jagemann's Syntax and Prose Composition; translation of short English stories into German. Open to students who have completed German A. *Two hours.* Mon., Wed., 8. MR. EDWARD.

J. MODERN GERMAN DRAMA.—Two courses are given under this heading in alternate years. They present an outline of German life in the nineteenth century as reflected in the drama, exclusive of the classical works of Goethe and Schiller. First Half of the Century: H. von Kleist, Grillparzer, Raimund, Gutzkow, Hebbel, Otto Ludwig; given in 1908-09. Second Half of the Century: Anzengruber, Wildenbruch, Sudermann, Hauptmann, Fulda, Lienhard, Otto Ernst; given in 1907-08. Open to students who have completed German B. *Two hours.* Tu., Th., 4. PROFESSOR CURME.

K. HISTORICAL GRAMMAR OF THE GERMAN LANGUAGE.—This course consists of a study of the historical development of the forms and syntax of the German language in connection with the reading of important literary works of the different periods. The following texts are used: Braune's Althochdeutsche Grammatik and Althochdeutsches Lesebuch, Paul's Mittelhochdeutsche Grammatik, Wright's Historical German Grammar, Hartmann von Aue's Der Arme Heinrich, Curme's Grammar of the German Language as Spoken and Written Today.

Open to seniors and graduate students. *Three hours.* Mon., Wed., Fri., 4. Professor Curme.

L. Middle High German Masterpieces.—This course consists of the reading of different masterpieces of the Middle High German period without a formal study of the grammar. In 1908-09 the following works will be taken up: Zarncke's edition of the Nibelungenlied and Martin's Wolframs von Eschenbach Parzival und Titurel. Open to students who can read modern High German fluently. *Two hours.* Tu., Th., 3. Professor Curme.

N. East and North Germanic.—This course consists of the study of Gothic and Icelandic and the relations of these languages to other members of the Germanic group. Texts: Stamm-Heyne-Wrede's Ulfilas and Kahle's Altisländisches Elementarbuch. Open to seniors and graduate students. *Two hours.* Tu., Th., 3. Not given in 1908-09. Professor Curme.

Greek Language and Literature

Professor Scott, Professor Hayes, Dr. Oldfather, Dr. Flickinger, and Mr. Elmquist

Major: Courses A and B and five additional year-hours, not including Course N. Minor: Courses A and B.

AA. White's First Greek Book Complete and Gleason's Story of Cyrus. Greek Composition.—A beginning course designed for students who enter college without Greek. Credit will not be given unless the full course is completed. *Five hours.* Mon., Tu., Wed., Th., Fri., 10. Professor Scott and Dr. Oldfather.

AB. Xenophon's Anabasis, Books I, II, III, IV. Thirty Lessons in Greek Composition, Homer's Iliad, Three Books.—Open to students who have completed Greek AA, or who have presented two units of entrance Greek. *Five hours.* Mon., Tu., Wed., Th., Fri., 9. Dr. Oldfather and Mr. Elmquist.

A. Lysias, Select Orations. Plato's Apology. Homer. Greek Composition Based on the Text.—Open to students who have completed Greek AB, or who have presented three units of entrance Greek. *Three hours.* Mon., Wed., Fri., 11. Professor Scott and Mr. Elmquist.

B. Sophocles' Oedipus Rex; Euripides' Alcestis and Medea; Aristophanes' Frogs.—Open to students who have completed Greek A. *Three hours.* Mon., Wed., Fri., 10. Dr. Flickinger.

C. Selections from Lyric Poets. Hesiod, Herodotus, Demosthenes, Lucian, and Sophocles.—Open to students who have completed Greek B. *Four hours.* Tu., Wed., Th., Fri., 9. Professor Scott.

G. Dramatic Poetry.—Open to students who have completed Greek C. *Four hours.* Mon., Wed., Fri., 2. Given in 1907-08. Professor Scott.

H. Homer and Epic Poetry.—Open to students who have completed Greek C. *Four hours.* Mon., Wed., Fri., 2. Given in 1908-09. Professor Scott.

K. Greek and Roman Archaeology.—A general introduction to the artistic remains of the Greeks and Romans from the Mycenæan age to the time of Hadrian. The course will deal with architecture, sculpture, vases, and coins. May be counted as one year-hour towards a Greek major. This course requires no preliminary course in the department. *Two hours.* Tu., Th., 2. Dr. Flickinger.

N. The Gospel According to Luke. The Acts of the Apostles.—This course is given in Garrett Biblical Institute, and students electing it are subject to the regulations of that school. Open to students who have completed Greek A, and in special cases open to students who have completed Greek AB. *Three hours.* Tu., Th., Fri., 10. Professor Hayes.

History

Professor James, Professor Wilde, Professor Harris, Professor Little, Dr. Terry, and Dr. Thorndike

Major: Course A, E, or BC, and seven additional year-hours, which must include Course K, R, S, or S1. Minor: Course A, E, or BC, and three additional year-hours, not taken concurrently with A, E, or BC.

In general Course A, or E, or an equivalent, is prerequisite to other courses in the department. Courses K, K1, R, S, and S1 are primarily for students making a Major in History and for graduate students. Courses M and M1 are open only to graduate students, except by special permission of the instructors concerned. Students

who expect to study law are recommended to take Courses BC, B, K, N, and S.

A. English History.—English political history from the Anglo-Saxon period to the present day. In addition to the strictly political history of England, the development of governmental institutions and the condition of the church will receive some attention. This course requires no preliminary course in the department. *Three hours.* Section I, Mon., Wed., Fri., 8. Section II, Mon., Wed., Fri., 2. Dr. Terry.

B. English Constitutional History.—The historical development of the English government from the Anglo-Saxon period to the present day. Open to students who have completed History A. *Two hours.* Tu., Th., 11. Dr. Thorndike.

C. American Colonial History to 1783.—The social and economic development of the New England and Southern Colonies. Attention is given to the European influences, the motives and methods of colonization; and emphasis is laid upon the development of American political institutions and on the causes of the American Revolution. This course requires no preliminary course in the department. *Three hours.* Mon., Wed., Fri., 9. A one semester course, given each semester. Dr. Terry.

BC. American History.—The Political History of the United States from the Revolution. The formation of the Union, the rise and growth of parties, the influence of westward expansion and of slavery on the political life. Open to students who have completed History A, E, or C, or an equivalent. *Three hours.* Mon., Wed., Fri., 11. Professor James.

D. Greek and Roman History.—First semester.—History of Greece from the earliest times to the Roman conquest. Second semester.—History of Rome from the earliest times to the break-up of the Roman Empire. The second semester may be taken without the first. Open to students who have completed History A or E. *Two hours.* Tu., Th., 9. Dr. Thorndike.

E. European History from the Break-up of the Roman Empire to the Sixteenth Century.—The transition from the ancient to the medieval world; the barbarian invaders and kingdoms; the growth of the Christian church; the feudal system; medieval culture; the beginnings of modern states and civilizations. This course requires no

preliminary course in the department. *Three hours.* Section I. Mon., Wed., Fri., 8. Section II. Mon., Wed., Fri., 2. Dr. Thorndike.

F. Age of the Renaissance and Reformation.—The Renaissance in Italy and its spread through Europe; Luther's revolt against the medieval church; the spread of Protestantism; the Catholic Reformation; the connection of these movements with the political events of the period; the Wars of Religion. Open to students who have completed History A, D, or E. *Two hours.* Tu., Th., 2. Dr. Thorndike.

G. European History from the French Revolution to the Congress of Berlin, 1878.—The political history of Europe embracing the events of the Revolutionary and Napoleonic Eras; the revolts of 1820, 1830, and 1848; and the reconstruction of the European states. First semester.—History of the causes and events of the French Revolution and the wars of Napoleon. Second semester.—The evolution of constitutional government in the states of Europe; the unification of Germany and of Italy; the Eastern question. Open to students who have completed History A, D, or E, and have at least fifty hours of credit; or open, by special permission, to seniors. *Three hours.* Mon., Wed., Fri., 10. Dr. Terry.

I. Methods of Teaching History with Special Reference to the Work of Secondary Schools.—Open only to students majoring in History, except by special permission. *One hour.* Tu., 2. Professor James.

K. European Diplomacy in the Nineteenth Century and World Politics.—First semester.—A study of the diplomatic relations and important treaties of European states from 1815 to 1878. Special attention will be given to the question of "Legitimacy"; the diplomacy of Bismarck, Cavour, and Napoleon III; the Dual and Triple alliance; and the Eastern question, relation of the Ottoman Empire to Europe. See History K1. Second semester.—World politics from 1878 to the present day. A study of contemporary international politics with particular reference to imperialism; the colonization and partition of Africa; the occupation and government of India, Egypt, and Turkestan; and the competition in Central Asia and in the far East. Open to students who have completed History A, E or G, and five additional year-hours in the department; and to seniors who have completed History A, E, or G, by special permission. *Two hours.* Tu., Th., 10. Professor Harris.

K1. European History and Diplomacy in the Eighteenth Century.—History of Diplomacy from its beginnings to the Congress

of Vienna. The first part of the course is devoted to the development of the European concert previous to the Peace of Westphalia. This is followed by an examination of the leading European treaties from the treaties of Westphalia in 1648 to the Congress of Vienna in 1815. Emphasis is laid upon the progress of international relations, their influence upon the rise and development of Prussia, Russia, and the British Empire, and their relation to the decline of France. This course is given in alternate years with the first semester of K. Open to students who have completed History A, E or G and five other year-hours in the department; or open to seniors who have completed History A, E, or G by special permission. *Two hours.* Tu., Th., 10. First semester only. Not given in 1907-08. Professor Harris.

L. Church History.—Post-Nicene History of the Christian Church. Christianity within the Roman Empire; the upbuilding of the Papacy and the growth of Monachism; the Relations of the Popes to the Byzantine, Frankish, and German Emperors; the Church and Medieval Society; History of the Reformation and of the Modern Church. This course is given in Garrett Biblical Institute and students electing it are subject to the regulations of that school. Open to students who have completed History A or E. *Three hours.* Tu., Wed., Th., 10. First semester only. Professor Little.

N. International Law and Comparative National Government.—First semester.— International Law. This course treats of the general principles of the Law of Nations with special reference to the relations of states in time of peace and of war, the rights and duties of neutrals, and the methods employed for the settlement of international difficulties. Second semester.—Comparative National Government.—A study of the elements of Political Science, followed by an application of the principles thus discovered in a comparative analysis of the forms of state organization and constitutional law as developed in modern constitutional states. Special attention is given the governments of Germany, France, Austria-Hungary, Italy, Spain, Switzerland, and the British Empire. The second semester may be taken without the first. The first semester is open to students who have completed History A or E, or Economics A. The second semester requires no preliminary course in the department. *Three hours.* Mon., Wed., Fri., 9. Professor Harris.

R. England under the Tudors and Stuarts.—A study of the development of Tudor absolutism, the religious Reformation in England, and the great civil war of the seventeenth century. Open to students who have completed History A and five other year-hours in

the department; or open, by special permission, to senior students who have completed History A. *Two hours.* Tu., Th., 11. Dr. Terry.

S. History of the West.—Attention is paid to the advance of the frontier; to the problems in the political and industrial development of the different parts of the West, and effects upon national development. Open to students who have completed History BC and five other year-hours in the department; or open, by special permission, to seniors who have completed History BC. *Two hours.* Tu., Th., 3. Professor James.

S1. Diplomatic History of the United States.—History of the foreign relations of the United States from the close of the Revolution to our own time. Special attention will be given to the commercial treaties following the Revolution, the Monroe Doctrine, the diplomacy of expansion, the relations with the South American republics, the period of the Civil War, the interoceanic transportation routes and the United States in the Far East. Open to students who have completed History BC, and five other year-hours, or to seniors pursuing a course in the Law School, who have completed History BC. *Two hours.* Tu., Th., 3. Not given in 1907-08. Professor James.

M. Seminary in American History.—The subject for consideration in 1907-08 is the diplomatic history of the United States during the administrations of Washington and Adams. Open only to graduate students, except by special permission of the instructor. *Three hours.* Tu., 4-5; Th., 4-6. Professor James.

M1. Medieval Institutions.—Designed to train students in the use of the Latin sources and of modern authorities in French and German. Open only to graduate students, except by special permission of the instructor. *One hour.* Hour to be arranged. Dr. Thorndike.

Italian

See Romance Languages.

Latin Language and Literature

Professor Bonbright, Professor Long, Dr. Oldfather, Dr. Flickinger, and Mr. Elmquist

Major: Courses A and B, with C or D, and E or F, or an approved equivalent. Minor: Courses A and B.

Students who have presented for admission to College the full

requirement of four units of foreign languages, including three units of Latin, may elect Latin d, Vergil, four hours, in the Academy and receive college credit for it.

A. Livy, Cicero, Horace.—First semester.—Cicero, de Senectute; Livy, selections, amounting to about one book. Second semester.—Livy; Horace, Odes, Books I, II, III. Open to students who have presented four units of entrance Latin. *Three hours.* Mon., Wed., Fri., 8, 9, 10, and 2. Professor Long, Dr. Oldfather, Dr. Flickinger, and Mr. Elmquist.

B. First semester.—Horace, Odes, Book IV, and Satires. Second semester.—Tacitus, Agricola and Germania; Terence, Phormio. Open to students who have completed Latin A. *Three hours.* Mon., Wed., Fri., 9 and 11. Professor Long.

C. First semester.—Latin Literature,—historical survey, selected readings; Quintilian. Second semester.—Horace, Epistles; Pliny, Letters. Open to students who have completed Latin B. *Three hours.* Mon., Wed., Fri., 11. Professor Bonbright.

D. First semester.—Catullus and the Latin Elegists. Second semester.—Reign of Tiberius, Tacitus, with comparison of other authorities. Open to students who have completed Latin B. *Three hours.* Mon., Wed., Fri., 11. Not given in 1908-09. Professor Bonbright.

E. Latin Comedy and Satire.—First semester.—The history, art, and social position of the Roman Drama; Plautus; Terence. Second semester.—Satiric poetry and epigram, Juvenal; Martial. Open to students who have completed Latin C or D. *Two hours.* Tu., Th., 11. Professor Bonbright.

F. First semester.—Lucretius, readings with interpretation, introductory lectures. Second semester.—Philosophical selections,—Cicero; Seneca. *Two hours.* Tu., Th., 11. Not given in 1908-09. Professor Bonbright.

G. Graduate Course.—Assigned readings, with reports, in a selected period of literary production. Hours to be arranged. Professor Bonbright.

H. Vergil.—First semester.—Bucolics and Georgics; lectures introductory to the study of Vergil and the Roman epic. Second semes-

ter.—Aeneid entire; preparation of papers on assigned topics with lectures. The course is intended primarily for students who expect to teach. Open to students who have completed Latin C or D. *Two hours.* Tu., Thu., 4. Not given in 1908-09. Professor Long.

J. Latin Composition.—The work will be divided between Latin writing and discussions with lectures on the Latin language, methods of work, and problems in secondary teaching. Open to students who have completed Latin A. *Two hours.* Tu., Th., 3. Professor Long.

K. Caesar; Cicero.—First semester.—Selections from the Commentaries of Cæsar; lectures on special phases of Cæsar's works; assigned topics for reports. Second semester.—Selections from the early Orations of Cicero; study of rhetorical method and development of style, together with readings from the rhetorical works. Intended primarily for students who expect to teach. Open to students who have completed Latin C or D. *Two hours.* Tu., Th., 4. Not given in 1907-08. Professor Long.

Greek and Roman Archaeology. See Greek K.

Mathematics

Professor Holgate, Professor Curtiss, Dr. Keppel, Mr. Wilson, Dr. Morehead, and Mr. Dines

Major: Courses A1 and A2, or A3, B1, and six additional year-hours, which must include at least one C course. Minor: Courses A1 and A2, or A3, and B1.

Either Mathematics A1 and A2 or A3 must precede all further courses in the department.

A1. Trigonometry and Plane Analytical Geometry.—First semester.—Review of Algebra. Plane Trigonometry, including the solution of oblique triangles. Second semester.—Plane Analytical Geometry; an elementary course on the straight line and conic sections. In the section which meets Mon., Wed., Fri., 11, the order of subjects is reversed. Required of all candidates for a degree except those who elect Mathematics A3. *Three hours.* Mon., Wed., Fri., 8, 9, 10, 11, and 2. Tu., Th., Sat., 8 and 9. Professor Curtiss, Dr. Keppel, Dr. Morehead, and Mr. Dines.

A2. Algebra.—The subjects covered are ratio and proportion; the progressions; the graphical treatment of simultaneous quadratic equations; the binomial theorem for positive integral exponents; de-

terminants; the numerical solution of equations. This course should be taken concurrently with A1. A one semester course, given each semester. *Two hours.* Tu., Th., 10. Dr. Morehead.

A3. Algebra, Trigonometry, and Analytical Geometry.—First semester.—Algebra and Plane Trigonometry; the equivalent of Mathematics A2 and the first half of Mathematics A1. Second semester.—Analytical Geometry, an elementary course on the straight line and conic sections with an introduction to the Geometry of Three Dimensions. *Five hours.* Mon., Tu., Wed., Th., Fri., 8. Mr. Wilson.

B1. Differential and Integral Calculus.—First semester.—Theory of limits; rules for differentiation; tangents and normals; maxima and minima; theorems of mean value; limiting values; partial differentiation; Taylor's Theorem; curvature; evolutes; envelopes. Second semester.—Indefinite and definite integrals; areas and volumes. Open to students who have completed Mathematics A1 and A2, or Mathematics A3. *Three hours.* Mon., Wed., Fri., 9. Professor Curtiss.

B2. Analytical Geometry and Advanced Algebra.—First semester.—A course in Analytical Geometry of Two and Three Dimensions. Second semester.—Topics in Advanced Algebra, including complex quantities, determinants, and the theory of equations. Open to students who have completed Mathematics A1 and A2, and in the second semester, to those who have completed Mathematics A3. While Mathematics B2 is not prerequisite to those courses designated C, it is strongly recommended that this precede or accompany such courses. *Three hours.* Tu., Th., 9; Fri., 4. Dr. Morehead.

B3. The Principles of Algebra and Geometry.—A critical and historical study of the logical foundations of secondary mathematics. This course is designed especially for those who intend to teach. Open to students who have completed Mathematics A1 and A2, or A3, and who have obtained credit for not less than fifty semester-hours of college work. *Two hours.* Tu., Th., 11. Dr. Keppel.

B4. Surveying; Theory and Practice.—The use and adjustments of the compass, engineer's transit, solar compass and Y level; the keeping of records and platting of observations; calculations of heights, distances, and areas; elements of the theory of errors. Field work with the instruments is carried on under the direction of the instructor in small divisions in the fall and spring. Two hours of field work count for one recitation hour. Open to students who have completed

Mathematics A1 or A3 and are taking, or have completed, the first semester of Physics G. *Two hours.* Tu., Th., 2. Dr. Morehead.

C1. Advanced Calculus.—Infinite series; Taylor's Theorem; partial differentiation; maxima and minima; definite integrals over curves, surfaces, and volumes; the Eulerian Functions; Fourier's Series; differential equations. Open to students who have completed Mathematics B1. *Three hours.* Mon., Wed., Fri., 10. Professor Curtiss.

C2. Analytical Mechanics.—A course in Theoretical Mechanics, open to students who have taken Mathematics B1 or its equivalent. It includes a study of vectors, uniformly accelerated motions, simple harmonic motions and their composition, elliptic motion, central orbits, force, energy, work, etc. *Three hours.* Tu., Th., Sat., 9. Mr. Wilson.

C3. Advanced Analytical Geometry.—An introduction to the study of some of the more important transformations, as projection, inversion, and polar reciprocation. Much use is made of abridged notation and of homogeneous point and line co-ordinates. Open to students who have completed Mathematics B2. *Three hours.* Mon., Wed., Fri., 9. Dr. Keppel.

C4. Modern Synthetic Geometry.—Introduction of infinitely distant elements into geometry; central projection; perspectivity and projectivity; generation of conics from projective forms; properties of ruled quadric surfaces; involution; poles and polars; systems of conics. Open to students who have completed Mathematics B1 or B2. *Three hours.* Tu., Th., Sat., 9. Not given in 1907-08. Professor Holgate.

D1. The Partial Differential Equations of Mathematical Physics.—This course takes up the solution of problems in Heat, Electricity, Acoustics, etc., by means of Fourier's Series and allied developments; a treatment of these developments; the especial study of ordinary linear differential equations whose solutions are connected with these problems; the theory of the Potential Function. Open to students who have completed Mathematics C1 or Mathematics C2. *Three hours.* Mon., Wed., Fri., 10. Professor Curtiss.

D2. The Theory of Functions.—Open to students who have completed Mathematics C1. *Three hours.* Mon., Wed., Fri., 2. Mr. Wilson.

D3. The Theory of Numbers.—An introduction to the classical Theory of Numbers. This course is primarily for graduate students. *Three hours.* Tu., Th., 8; Fri., 3. First semester only. Dr. Morehead.

D4. Differential Geometry.—The Geometry of space curves and surfaces, investigated by means of Calculus. This course is primarily for graduate students. *Three hours.* Mon., Wed., Fri., 3. Second semester only. Dr. Morehead.

D5. Ordinary Differential Equations.—This course is primarily for graduate students. *Three hours.* Mon., Wed., Fri., 11. Professor Curtiss.

Music

Professor Lutkin, Professor Oldberg, Mr. Garwood, Mr. Dodge, and Miss Russell

Members of the Glee Club who have served for one year and who can qualify for Music G may obtain a total credit of two semester-hours upon the recommendation of the instructor. Students who have fair ability as players of band instruments may obtain a total credit of four semester-hours for services rendered in the University Band, upon recommendation of the band instructor, the period of service to cover two years.

For information in detail in regard to the various courses offered in music, see the catalogue number of the School of Music Bulletin, published in July of each year, and the special bulletin issued quarterly.

The maximum credit which will be allowed for courses in Music is twenty semester-hours. Music A and C, introductory courses in Harmony and Analysis, and in Sight Reading, are open to College students but bear no college credit. They or the equivalent must be satisfactorily completed before subsequent courses in the same subjects can be taken.

A. Introductory Harmony, Form and Analysis.—Scale and melody writing; construction of the period; intervals and two-part writing; chord-reading; small two-part primary forms; triads, inversions, chord-connection in three and four parts, cadences, modulations, dominant sept-chord. *Three hours.* Mon., Wed., Fri., 3; Tu., Th., 3; Sat., 9:30. Mr. Dodge.

B. History of Music.—General survey of musical history and biographies of musicians. Recitations from text-book. Class drill in pronunciation of names. Class singing of specimens of Gregorian chant, early canons, and folk songs. Musical illustrations of later periods. Text-book: Untersteiner's A Short History of Music. *One hour.* Th., 2, 3. Mr. Garwood.

C. Sight-Reading, Vocal.—Drill in scale and interval singing. Time sub-divisions, ear training, dictation, part-singing. *Two hours.* Mon., Th., 4:15. Miss Russell.

D. Harmony.—First semester.—Figured basses and harmonization of melodies, employing the use of triads, dominant, diminished, and supertonic sept-chords, with inversions, in dispersed harmony. Second semester.—Secondary sept-chords and chords of the ninth. Suspensions and tones foreign to the harmony. Organ-point, modulation, etc. Text-book: Chadwick's Harmony. *Two hours.* Mon., Th., 11. Professor Lutkin.

E. Form and Analysis.—Chord-reading. Bach's inventions. Primary forms, principally Mendelssohn and Chopin. Song or aria form. Minuets, marches, scherzos, rondos, theme and variations, the sonata form. Sonatas as a whole. Preludes and fugues. *Two hours.* Tu., Fri., 11. Professor Lutkin.

F. History of Music.—Lectures on the growth of musical art as related to the events of general history and the development of literatures. Text-book: Henderson's How Music Developed. *One hour.* Mon., 2. Mr. Garwood.

G. Chorus and Choir Training.—The Monday evening sessions are the regular rehearsals of the Evanston Musical Club. The Wednesday sessions are at Music Hall, with the following outline of work: hymns, part-songs, anthems. Choral service of the Episcopal church. Cantatas and oratorios. Ensemble singing in duets, trios, and quartettes. *One hour.* Mon., 8 p. m., Wed., 5. Professor Lutkin.

H. Counterpoint.—Counterpoint in the various species in two, three, and four parts. *Two hours.* Tu., Fri., 10. Professor Lutkin.

I. Advanced Harmony.—Harmonization of chorals. Remote modulations. Unprepared and unresolved dissonances, etc. Text-book: Foote and Spaulding's Modern Harmony. *One hour.* Wed., 10. Professor Lutkin.

J. Composition.—Primary forms, including the minuet, scherzo, march, etc. Simple and elaborated accompaniments. Score-reading, including viola clef. *Two hours.* Tu., Fri., 9. Professor Oldberg.

K. Advanced History of Music.—Evolution of music. Correlated arts. Lectures and class work. Text-books: Parry's Evolution of the Art of Music, and Reinach's Apollo. *One hour.* Mon., 3. Mr. Garwood.

L. Analysis.—Bach's well-tempered clavichord. Beethoven's sonatas. Brahm's pianoforte works. Concertos. *One hour.* Wed., 11. Professor Lutkin.

M. Counterpoint, Canon, and Fugue.—Counterpoint in five or more parts. Double and triple counterpoint. Canons in the various intervals. *One hour.* Wed., 2. Professor Lutkin.

N. Vocal Composition.—Exercises in the application of rhythms and forms to verse. Songs, duets; trios, quartettes, and part-songs. The anthem and the unaccompanied motette. The canticles and communion service of the Episcopal church. *Two hours.* Mon., Th., 10. Professor Lutkin.

O. Instrumental Composition.—Song or aria forms. The various sonata movements. Compositions for piano and strings, and for small orchestra. *Two hours.* Mon., Th., 9. Professor Oldberg.

P. Analysis.—Chamber music. Organ compositions. Church cantatas. Oratorios and symphonies. Orchestral music from full score. *One hour.* Tu., 3. Professor Lutkin.

Q. Canon and Fugue.—*One hour.* Hours to be arranged. Professor Lutkin.

R. Vocal Composition.—The cantata, with piano and orchestral accompaniment. Fugal and double choruses. The oratorio and the mass. *Two hours.* Hours to be arranged. Professor Lutkin.

S. Instrumental Composition.—The sonata form in piano and chamber music. The overture and symphony for full orchestra. *Two hours.* Hours to be arranged. Professor Oldberg.

T. Public School Methods.—Study of the child voice. Methods of teaching. Practical demonstration. Chorus conducting. *Two hours.* Mon., Th., 5. Miss Russell.

Philosophy and Psychology

Professor Coe, Professor Scott, and Dr. Ewer

Major: Courses A1, or A2, B, G, and three additional year-hours; or Courses A1, C, and four additional year-hours. Minor: Courses A1, or A2, B, and two semester-hours not taken concurrently

with Course A1, or A2; or Course A1 and either Course E, C, or L1 and L2.

Students who desire to do extended work in this department should elect in their sophomore year Philosophy A1 or A2, or Philosophy A concurrently with B, as preliminary to all other courses in the department. Students who desire to take but a single course in the department may elect Philosophy A or D.

A1. General Psychology; Logic.—First semester.—The study of a text-book on psychology; class room demonstrations and guidance to private observation; demonstration of apparatus and methods of experimental psychology; written exercises and experiments from members of the class; lectures and collateral reading on various topics. Second semester.—An outline of both deductive and inductive logic. Special stress is laid upon the methods of the sciences. Written exercises in the detection of fallacies and the criticism of arguments. The second semester may be taken without the first. This course requires no preliminary course in the department. *Three hours.* Mon., Wed., Fri., 2. Professor Scott and Dr. Ewer.

A2. General Psychology.—A year course in psychology. The first semester is identical with that of Philosophy A1. This course requires no preliminary course in the department. *Three hours.* Mon., Wed., Fri., 2. Professor Scott.

B. Elementary Experimental Psychology. — Intended for students of general psychology who desire to become acquainted with laboratory methods, and for those who expect to pursue advanced laboratory courses. Two consecutive hours of laboratory work are required for one hour of credit. Planned for students who are also taking A1, but it may be elected by those who have completed A1. *Two hours.* Wed., Fri., 3 to 5. Professor Scott.

D. General Introduction to Philosophy.—Lectures, papers, discussions. Intended for students interested in the nature of philosophy, its relations to life and to science, its systematic divisions, and the characteristic attempts to solve its problems. Philosophy A1 is a useful preliminary, but is not indispensable. Open to students who have sixty hours of credit. *Two hours.* Tu., Th., 11. Dr. Ewer.

E. Philosophy of Religion.—First semester. The nature of religion, and its place in the life of humanity. A study of early religion and of the great religions of the world from a psychological standpoint. Text-book, lectures, collateral reading. Second semester.—The idea of God in the light of present psychological, philosophical, and scien-

tific thought. Lectures and assigned reading. Open to students who have studied general psychology. *Three hours.* Mon., Wed., Fri., 4. Professor Coe.

C. History of Philosophy.—Text-book, lectures, reading of selected writings, especially from modern philosophy. Open to students who have completed Philosophy A1 or A2. *Three hours.* Mon., Wed., Fri., 11. Dr. Ewer.

L1. Ethics.—An introduction to ethical theory and to practical ethics. Text-book, lectures, reports. Open to students who have completed Philosophy A1 or A2. *Three hours.* Mon., Wed., Fri., 3. First semester only. Dr. Ewer.

L2. Education in Religion and Morals.—A study primarily of principles and secondarily of methods applicable to the home, the scious. For 1908-09 the leading topic will be the Origin and Early public school or Sunday school, to social workers, and to pastors. Coe's Education in Religion and Morals, with assigned collateral reading. Open to students who have studied general psychology. *Three hours.* Mon., Wed., Fri., 3. Second semester only. Professor Coe.

G. Advanced Experimental Psychology.—Extends the work begun in Philosophy B into some of the more difficult problems, and introduces a limited amount of research. Two consecutive hours of laboratory work are required for one hour of credit. Open to students who have completed Philosophy B. *Two hours.* Hours to be arranged. Professor Scott.

H. Educational Psychology.—During the first semester the emphasis is upon the psychology of the learning process, and during the second semester, upon the psychology of the teaching process. The facts and principles of psychology which have a special bearing upon education are presented. Daily practice is given in observing and interpreting mental phenomena. Open to students who have completed Philosophy A1 or A2. *Two hours.* Tu., Th., 10. Professor Scott.

M. Theory of Knowledge and Metaphysics.—First semester.—Theory of Knowledge. Second semester.—Metaphysics. Lectures, readings from the principal literature of the subject, reports and discussions. It is the aim of this course to enable students who have a special interest in philosophy to do independent and progressive thinking on metaphysical topics. Open to students who have completed Philosophy A1. *Two hours.* Tu., Th., 10. Dr. Ewer.

N. Advanced Ethics.—A course of reading upon selected problems. For 1908-09 the topic will be the Ethics of Christianity with especial reference to the present Social Movement. Open to students who have completed Philosophy L1, or its equivalent. Admission requires consultation with the instructor. *Two hours.* Tu., Th., 11. Professor Coe.

F. Seminary in the Psychology and Philosophy of Religion.—For 1907-08 the leading topic is The Nature of Religion, with especial reference to Mysticism, the Psychology of Feeling, and the Sub-consciousness. For 1908-09 the leading topic will be the Origin and Early Development of Religion and Morality. Primarily for graduates; only in exceptional cases will undergraduates be admitted. *Five hours.* Tu., 7:30 to 9:30 p.m. Professor Coe, Professor Scott, and Dr. Ewer.

Physical Culture and Hygiene

Professor Gillesby, Mr. Riley, and Miss Huegin

Regulations governing Athletics and the use of the Gymnasium may be found on page 150.

A. Hygiene.—Lectures on the care of the body and the place of exercise and athletic sports in the preservation of health. *Two hours.* Tu., Th., 11. First semester only. Professor Gillesby.

B. Gymnastic Exercise.—Dumb-bell, Indian-club, and other gymnastic exercises. Classes for men and for women. Careful physical examinations are made. Credit of one hour is given each semester for four hours a week of gymnasium practice. *One hour.* Mon., Wed., Th., Fri., 2, 3, 4, and 5. Miss Huegin and Mr. Riley.

Physics

Professor Crew, Professor Basquin, Professor Tatnall, and Mr. Starkweather

Major: Courses A and B, and either C, H, or J. Minor: Course A and two additional year-hours not taken concurrently with Course A.

A. General Physics.—First semester.—General properties of Matter, Sound, Heat. Second semester.—Electricity, Magnetism, Light. An introductory course, intended to acquaint the student with the elementary facts and the general principles of physical science. It requires no mathematics beyond that necessary for entrance to college.

One laboratory exercise each week. *Four hours.* Mon., Wed., Fri., 11. Professor Crew and Professor Tatnall.

B. Mechanics.—An elementary experimental study of forces, moments of force, moments of inertia, elasticity, hydromechanics, etc., forming an introduction to advanced physics and engineering. This is a course in pure Dynamics, and serves as an introduction to Applied Mechanics. Two lectures and one laboratory exercise a week. The laboratory work is guided by especially prepared instructions. The laboratory is open for this course every afternoon in the week except Wednesday and Saturday. Open to students who have completed Physics A, or its equivalent. *Three hours.* Tu., Th., 11. Professor Crew and Professor Tatnall.

C. Electricity and Magnetism.—Two lectures and one laboratory exercise a week. In the lectures the more general laws of electricity and magnetism are discussed; the practical equations employed in the laboratory are also derived and discussed. J. J. Thomson's Elements of the Mathematical Theory of Electricity and Magnetism is employed as a text-book. The laboratory is open every afternoon except Wednesday and Saturday. The laboratory work includes the measurement by one or more methods of current, resistance, electromotive force, temperature-coefficients, capacity; a study of the magnetic properties of iron and steel; thermo-electric effects, use of Carey Foster bridge, potentiometer, copper voltameter, etc. Open to students who have completed Physics A. *Three hours.* Mon., Fri., 8. Professor Tatnall.

D. Alternate Currents.—First semester.—The general theory of alternate currents as set forth in the treatises of Franklin and Williamson, and Steinmetz. Second semester.—Laboratory practice with electro-dynamometer, oscillograph, etc., measurements of inductance, capacity, impedance. For advanced students and graduates. Given in alternate years with Physics F. *Two hours.* Tu., Th., 10. Not given in 1907-08. Professor Tatnall.

E. Mathematical Physics; Electricity.—Abraham and Föppl's Theorie der Elektrizität is used as a text-book. The subject is believed to be essential to all advanced students of pure physics and to those contemplating electrical engineering of high grade. It is also recommended to students interested in applied mathematics. The course is intended primarily for graduates. Given in alternate years with Physics S. *Two hours.* Mon., Fri., 9. Professor Crew.

F. Mathematical Physics; Dynamics.—Dynamics of a Particle, Rigid Dynamics, Elasticity and Fluid Motion. Webster's Dynam-

ics is used as a text. For advanced students and graduates. Given in alternate years with Physics D. *Two hours.* Tu., Th., 10. Professor Tatnall.

S. Mathematical Physics; Spectroscopy.—The general theory of physical optics, spectrum analysis, and astrophysics, including the theory of optical instruments. Drude's Theory of Optics represents the ground covered in this course. Given in alternate years with Physics E. This course is intended to be accompanied by laboratory work along the same line, the hours of credit for which are to be separately determined in each particular case. For advanced students and graduates. *Two hours.* Mon., Fri., 9. Not given in 1907-08. Professor Crew.

G. Mechanical Drawing.—An introductory course taking up projection, sketching, use of instruments, blue printing, lettering, shop drawings, isometric projection, and the more useful problems of Descriptive Geometry, followed by applications in Machine Drawing. Adams' Mechanical Drawing is used as a text. No preliminary course in the department is required. *Two hours.* Sat., 9 to 12, and one afternoon a week. Professor Basquin.

H. Applied Mechanics.—Mechanics of Materials. The behavior of iron, steel, concrete, etc., under the action of stresses, leading to a discussion of the strength, deformation under load, and proper design of beams, columns, and other structural elements. Experimental work with a Riehlé testing machine is conducted by the whole class under the leadership of one of the members selected in rotation. Text-book: Slocum and Hancock's Strength of Materials. A knowledge of calculus is necessary, also a general knowledge of mechanics such as may be obtained from Physics B or Mathematics C2. *Three hours.* Tu., Th., 10, and one laboratory period each week. Professor Basquin.

J. Thermodynamics, Heat Engines.—First semester.—General theory of heat and thermodynamics. Poynting and Thomson's Heat. Second semester.—General application of thermodynamics to steam, gas, and air engines as set forth in Ewing's Steam Engines and Other Heat Engines. Open to students who have completed Physics A and B and Mathematics B1. *Three hours.* Hours to be arranged. Not given in 1907-08. Professor Basquin.

K. Metal Working.—The mechanics of metal working is emphasized throughout this course. The regular set of exercises involves chipping, filing, scraping, drilling, planing, turning, thread-cutting, and grinding. The shop is open each afternoon of the week except Satur-

day. Students may select their own afternoons for work; but a selection once made must be strictly adhered to throughout the semester. Open to students who have completed Physics A or its equivalent. *Two hours.* Two afternoons a week. Professor Basquin and Mr. Starkweather.

L. Descriptive Geometry.—The standard method of representing geometric forms by projections on plane surfaces and the graphical solution of geometric problems. Shades, shadows, and perspective will be taken up in the latter part of the year. Lectures, readings, sketches, and problems. The text is Moyer's Descriptive Geometry. Open to students who have completed Physics G, or who are skillful in the use of mechanical drawing instruments. *Two hours.* Wed., 2 to 5, and one afternoon a week. Professor Basquin.

Romance Languages and Literatures

Professor Baillot, Mr. Kuhne, Dr. Harry, and Miss Little

Major: French A and B and six additional year-hours, which must include at least two year-hours in French more advanced than Course B. Minor: French A and French B.

FRENCH

Le Cercle Français meets on alternate Thursdays at 7:30 p.m., and is open to all students who have completed French A.

AA. Elementary French.—DeBordes' Grammar. Whitney's Reader. Labiche's La Grammaire. Mérimée's Colomba, Sicard's Easy French History. Baillot-Brugnot's Composition. Labiche-Martin's Voyage de M. Perrichon. Papot-Williamson's Easy French Stories. Sand's La Petite Fadette. Simple dictation, private reading, and composition. This course may not be taken to remove language requirements for admission, and credit will not be given unless the full course is completed. *Five hours.* Mon., Tu., Wed., Th., Fri., 8, 9, 11, and 2. Mr. Kuhne, Dr. Harry, and Miss Little.

AB. Intermediate French.—Intended for students who have presented one unit of entrance French, and may not be taken to remove entrance requirements. *Three hours.* Mon., Wed., Fri., 9. Dr. Harry.

A. Modern French.—Baillot-Brugnot's Composition. Advanced Grammar. Reading. Madame de Girardin's La Joie fait Peur. Eugène

Scribe's Les Doigts de Fée. Coppée's On rend l'Argent. Freeborn's Contes de Daudet. Pailleron's Le Monde où l'on s'Ennuie. White's Contes de Maupassant. Victor Hugo's Quatre-Vingt Treize. Canfield's French Lyrics. Coppée's Le Pater. Victor Hugo's Hernani. Private reading: Cameron's Selections from Loti. Hennequin's Lessons in Idiomatic French. Essays. Open to students who have completed French AA or French AB, or who have presented two units of French for entrance. *Three hours.* Mon., Wed., Fri., 10 and 11. Professor Baillot, Mr. Kuhne, and Dr. Harry.

B. Classic French Literature of the Seventeenth and Eighteenth Centuries.—First semester.—17th Century. Corneille's Le Cid, Polyeucte. Racine's Athalie. Molière's Le Misanthrope, L'Avare. Warren's Prose Writers of the 17th Century. Composition. History of the French Theater, in dictations. Collateral reading: Crane's La Société Française au 17e Siècle. Dictations and short lectures on the history of the theater in France. Second semester.—18th Century. Lesage's Gil Blas. Voltaire's Zaïre and letters. Beaumarchais' Le Barbier de Séville and letters. A study, with collateral reading, is also made of other authors of the eighteenth century. Exercises in French syntax. Open to students who have completed French A. *Three hours.* Mon., Wed., Fri., 9 and 10. Professor Baillot.

C. General Survey of French Literature.—Demogeot's French Literature and Darmesteter and Hatzfeld's Le Seizième Siècle en France will be used as text-books, and collateral reading is assigned by the instructor. Dictations. Papers on collateral reading. Open to students who have completed French B. *Two hours.* Tu., Th., 1. Professor Baillot and Mr. Kuhne.

D. Recent French Literature.—Study of the literature of the Nineteenth Century, taking as a basis George Pellissier's Le Mouvement Littéraire au XIXe Siècle. Collateral reading. This course is given in French. Open to students who have completed French B. *Two hours.* Tu., Th., 9. Professor Baillot.

E. Advanced French.—The topics considered will be closely related to those of Courses C and D; but students will be expected to carry on special studies with prepared papers. Open to students who have completed French B, and French C or French D. *Two hours.* Wed., 3. Professor Baillot.

F. Old French and Early French Literature.—Reading of old French literature in its original form. Phonology and morphology will be slightly touched upon, serving as an introduction to the study of

historical grammar. The texts are La Chanson de Roland; Aucassin et Nicolette; le Mystère d'Adam. Open to students who have completed French B and French C, or French D. *Two hours.* Hours to be arranged. Mr. Kuhne.

G. Scientific French.—Herdler's Scientific French. Articles from scientific periodicals. Open to students who have completed or are taking French A. *Three hours.* Hours to be arranged. Second semester only. Professor Baillot.

ITALIAN

A. Elementary Course.—Grandgent's Grammar and Composition. Bowen's Reader; Goldoni's La Locandiera; Pellico's Le Mie Prigioni; Manzoni's I Promessi Sposi, Selections from Dante's Inferno. Credit will not be given unless the full course is completed. *Three hours.* Mon., Wed., Fri., 8.

B. Advanced Course.—General view of Italian Literature. Advanced Composition. Selections from Dante's Divina Commedia; D'Ancona e Bacci's Manuale della Letteratura Italiana, Vol. V; Verga's Cavalleria Rusticana ed Altre Novelle; Fogazzari's Fedele; Alfieri's Oreste. Open to students who have completed Italian A. *Three hours.* Hours to be arranged.

C. Early Italian.—Lectures on Italian phonology and morphology. The Literature of the Trecento. Monaci Crestomazia dei primi secoli; D'Ancona e Bacci's Manuale della Letteratura Italiana, Vol. I. Open to advanced students and to those who satisfy the instructor of their fitness to take the course. *Two hours.* Hours to be arranged.

SPANISH

A. Elementary Course.—Hills and Ford's Grammar; Composition; Matzke's First Spanish Readings; Valdes' José; Galdós' Dona Perfecta; Moratin's El si de las Niñas; Ford's Spanish Anthology. Credit will not be given unless the full course is completed. *Three hours.* Mon., Wed., Fri., 2. Dr. Harry.

B. Advanced Course.—Lectures on Spanish Literature with special emphasis on the modern period. Advanced composition. The following list will show approximately the range of reading: Selections from Cervantes' Don Quixote; at least one of Lope de Vega's and Calderón's selected plays; Ramón de Campoamor's Doloras; Galdós' Marianela;

Fernán Caballero's La Gaviota; Echegaray's El Gran Galeoto; Valera's Pepita Jiménez; Tamayo y Baus' Un drama nuevo; Ford's Spanish Anthology. Open to students who have completed Spanish A. *Three hours.* Hours to be arranged.

C. Early Spanish.—Lectures on Spanish phonology and morphology. Spanish Literature to the fifteenth century. The texts to be used are El Poema del Cid, edited by R. Menéndez Pidal; Adolph Keller's Altspanisches Lesebuch mit Grammatik und Glossar. Open to advanced students and to those who satisfy the instructor of their fitness to take the course. *Two hours.* Hours to be arranged.

Scandinavian Languages

Dr. Simonsen and Mr. Hillberg

NORWEGIAN-DANISH

These courses are given in the Norwegian-Danish Theological School and students electing them are subject to the regulations of that school.

A. Norwegian-Danish Language.—For students with a reading and speaking knowledge of the language. After a thorough study of Hofgaard's larger Grammar the student is required to write essays and make translations from Norwegian-Danish into English and from English into Norwegian-Danish. *Four hours.* Tu., Wed., Th., Fri., 10. Dr. Simonsen.

B. Norwegian-Danish Literature.—For students who have a reading and speaking knowledge of the language. Text-book: Broch and Seip's History of Literature. *Three hours.* Wed., Th., Fri., 11. Second semester only. Dr. Simonsen.

C. Elementary Study of Norwegian-Danish Language and Literature.—The text-book is Hofgaard's Elementary Grammar and Broch and Seip's History of Literature. Open to students who have no knowledge of the language, but will not be given unless elected by as many as six students. *Three hours.* Mon., Tu., Wed., 9. Dr. Simonsen.

SWEDISH

A. Elementary Swedish.—After a thorough study of Sunden's Grammar the student is required to make translations. Given in the Swedish Theological Seminary. Open to students who have a reading

and speaking knowledge of the Swedish language. *Three hours.* Tu., Wed., Th., 11. Mr. Hillberg.

B. Swedish Literature.—The text-book is Karl Warburg's History of Swedish Literature. Select reading from foremost Swedish authors. Students are required to write essays. Open to students who have completed Swedish A. *Three hours.* Mon., 9; Wed., Fri., 4. Mr. Hillberg.

Semitic Languages

Professor Eiselen and Mr. Rapp

These courses are given in Garrett Biblical Institute, and students electing them are subject to the regulations of that school.

HEBREW

Minor: Courses A and B.

A. Elements of the Hebrew Language.—*Four hours.* Tu., Wed., Th., Fri., 9. Mr. Rapp.

B. Introduction to Hebrew Literature.—Exegetical and critical reading of selections from the prophetic and the poetic literature of the Hebrews; also further study of the grammar. Open to students who have completed Hebrew A. *Three hours.* Tu., Th., 8; Fri., 9. Professor Eiselen.

C. Graduate Courses.—Studies in Hebrew Prophecy; Studies in Genesis; The Messianic ideas and ideals in the Old Testament; Rapid reading of the Minor Prophets; Seminary Course—the religious life and beliefs of the Hebrews, as shown in the activity and the teaching of their inspired leaders. Credit and hours to be arranged. Professor Eiselen.

ASSYRIAN

D1. Elementary Course.—Grammar and reading of easy historical texts. Open to students who have completed Hebrew A or its equivalent. *Two hours.* Hours to be arranged. Professor Eiselen.

D2. Advanced Course.—Reading of historical texts. *One hour.* Hour to be arranged. Professor Eiselen.

ARAMAIC

E. Elementary Course.—Study of the Aramaic language and por-

tions of the Old Testament. Open to students who have completed Hebrew A or its equivalent. *One hour.* Hour to be arranged. Professor Eiselen.

Spanish

See Romance Languages.

Zoölogy

Professor Locy, Dr. Harper, Mr. Alcock, and Mr. Chase

Major: Course A and six additional year-hours. Minor: Course A and two additional year-hours not taken concurrently with Course A.

Zoölogy A is the introductory course for all other work in the department, but Zoölogy C may be taken concurrently with it. Courses of the B group and those designated C and D may be taken either as second or third year subjects. Zoölogy F may be taken after completing Courses A, B1, and C.

A. Structure, Development, and Evolution of Animal Life.—A course of instruction adapted to fill a place in general education. It embraces a comparative study of living organisms as a whole, in which the physiological side receives much attention. Observations on the properties of living matter are followed by a few selected types of invertebrated animals, beginning with the simplest and proceeding to the more complex. Open to those who have had no previous instruction in zoölogy or biology, and also advisable for students who have had a year's work in the high school. A special section for the latter will be formed in the laboratory, so that acceptable work already done need not be duplicated. In the second semester, the basis of the doctrine of organic evolution is set forth and its present status indicated. A large part of the time of this semester is devoted to observations on the development of animals, using eggs of fishes, amphibia, and the chick. Credit is not given unless the full course is completed. *Four hours.* Lecture: Tu., Th., 9. Professor Locy. Laboratory hours to be arranged between 9 and 12, daily except Saturday. Professor Locy, Dr. Harper, Mr. Alcock, and assistants.

B1. Comparative Anatomy and Physiology of Vertebrates.—First semester.—Comparative Anatomy. Study of selected vertebrate types, continuing the work of Zoölogy A into the group of Vertebrates. The recitations and lectures will be based on Weidersheim's Comparative Anatomy of Vertebrates. Second semester.--Vertebrate Embryology, with a discussion of the broader problems opened by a

study of the development of animals. Lectures and laboratory work. *Four hours.* Wed., Fri., 9. Laboratory work to be arranged on Tu., Wed., Th., Fri., 9 to 12. Professor Locy and Mr. Chase.

B2. Invertebrate Zoölogy.—This course supplements Zoölogy A, and extends the series of types studied in that course with reference to structure and development. Attention is given largely to the animals of this region in respect to their life-histories, habits, distribution, and adaptation to their environment. Some diversity is permitted in the work of different students. *Three hours.* Mon., Wed., Fri., 2. Dr. Harper.

B3. Physiology.—The first semester is given to general Physiology. Reproduction, irritability, and metabolism are treated from the standpoint of the cell and the lower animals. Experiments upon the Protozoa and lower forms are included in the laboratory work. The second semester will be given to special Physiology. Open to students who have had Zoölogy A or its equivalent. An adaptation of the work in Physiology is permitted as follows: students who have not had previous training in Zoölogy will be admitted to a section in which the Essentials of Physiology are covered in a course of four hours extending through one semester. *Three hours.* Mon., Wed., Fri., 2. Dr. Harper.

B4. Rise and Progress of General Biology and Zoölogy.—Historical lectures in which the rise and development of General Biology and Zoölogy is traced from the Renaissance of science to the present, particular attention is given to the beginning, the growth, and the modification of fundamental doctrines and principles that have become fruitful in the nineteenth century. Intended primarily for students taking other work in the department. The course is also open to students who have pursued elementary work in General Biology. *One hour.* Tu., 4. Given in 1907-08 and in alternate years. Professor Locy.

C. Cytology and Histology.—First semester.—Cell-life and elementary histology. Anatomy and physiology of the cell, microscopical structure of the elementary animal tissues, and principles and practice of the general methods of microscopical technique. Second semester.—Microscopical structure of the animal organs. Principles and practice of the important special methods of microscopical technique. Wilson's The Cell in Development and Inheritance and Stöhr's Textbook of Histology are used. *Three hours.* Mon., 9. Laboratory hours to be arranged. Dr. Harper.

D. Physiology.—Intended for students preparing for medicine. Based on Hall's text-book and laboratory manual. It includes all the work of the first year Physiology given in the Medical School, and is accepted in full for that course. *Three hours.* Mon., Wed., Fri., 3. Dr. Harper.

E. The Central Nervous System and its Terminal Organs.—Two hours of credit may be secured in this course by adding to the lecture three hours of laboratory work. First semester.—The central nervous system. Comparative structure of the central nervous system, with discussions on some of its physiological activities. Lectures and demonstrations, adapted to those taking or contemplating the study of Psychology, and to others who wish to become acquainted with the structure and general physiology of the nervous system. Second semester.—The structure and evolution of sense-organs. *One hour.* Tu., 4. Given in 1908-09 and in alternate years. Professor Locy.

F. Topics of Investigation.—Open to students who have completed two years of work in Zoölogy. Problems of limited extent are assigned after consultation with the professor in charge, and worked out under his direction with such help as is required. This forms an introduction to the work of original research. The completion of the course involves the consultation of the literature bearing on the problem in hand, and the preparation of a thesis embodying the results of the investigation. A reading familiarity with French and German is essential. May be elected as five hours or ten hours. Hours to be arranged. Professor Locy.

G. Research Work.—For graduate students who have completed the equivalent of the courses prescribed above; may be elected either for ten or for fifteen hours of credit. Similar to Zoölogy F, but with broader scope and more rigid requirements as to the thesis, which must embody a critical review of the principal literature and substantial conclusions based upon the personal work of the student. Means of publication will be found for all papers that are worthy. Hours to be arranged. Professor Locy.

PROFESSIONAL STUDIES

Many of the courses announced in the preceding pages have a bearing more or less direct on the professional or other career which a student may have in contemplation, and elective studies may well be chosen with this in mind. The following paragraphs contain the Faculty regulations under which the student may in some cases shorten the time for securing both an academic and a professional degree, and

indicate in a general way how a student in college may arrange his program of studies to advantage in preparation for a professional career.

College credit for studies pursued in professional schools is in all cases restricted to work done in the schools of this University, but time spent in a professional school cannot be counted toward meeting the requirement of one year of residence demanded of all candidates for a bachelor's degree.

Students Preparing for Medicine

Students intending to enter the Medical School, and desiring to shorten the time required for degrees in both Arts and Medicine, may be released from further work in the College of Liberal Arts when they have secured ninety semester-hours of credit. This credit must, however, include all the required studies for the degree sought, as shown on pages 79 and 80, and must fulfill the requirements for a major and a minor. If the student's work is properly planned this necessary credit can be secured in three years.

The Bachelor's Degree and the Medical Degree in seven years. Under this provision students may give their full time during the fourth year to work in the Medical School, but must continue registration in the College as if in regular attendance. The certificate from the Medical faculty that the equivalent of a full year's work has been satisfactorily accomplished will be accepted in the College as completing the one hundred and twenty hours required for the bachelor's degree, but credit from the Medical School cannot be accepted in subjects for which credit has already been given in the College of Liberal Arts.

This plan of combined courses makes it possible to secure both degrees in seven years, three in the College and four in the Medical School. For all work done in the Medical School the fees of that school must be paid.

On the other hand, some courses offered in the College of Liberal Arts cover the corresponding courses in the Medical School, and may be taken for credit in that school. Students who have had an elementary course in Physics and who complete Chemistry A and B, and the second semester of Chemistry C, Volumetric Analysis, in the College laboratories will be given credit for Chemistry a, b, c, d, e, f, that is, first year Chemistry in the Medical School. Those who complete Zoölogy A, B1, C, and D will receive credit for Histology and Embryology a, b, c, d, e, and Physiology a, b, c, d, e, in the Medical School. Students who include these courses in their college program may transfer to the Medical School at graduation and enter

that school with approximately a year of advanced credit. They will thus be able to complete the Medical course in three years, securing both degrees in seven years, four in College and three in the Medical School.

The Bachelor's Degree and the Medical Degree in six years.—If, further, by careful planning from the first, the student is able to include in his first ninety hours of credit the courses in Chemistry and Zoölogy mentioned above, and is able to satisfy the requirements as to specified subjects and as to major and minor, he may enter the Medical School for his fourth year, and he may complete the requirements for both degrees in six years, three in College and three in the Medical School, but this can only be accomplished under favorable conditions. The courses in Anatomy required in the first year of the Medical program may be completed in the laboratories of the Dental School during the third year of residence in the College.

Students who intend to spend but three years in actual attendance upon lectures in the Medical School must formally register in that school a year in advance.

For students who plan to secure both degrees in six years, the following order of studies in College is suggested. To ensure its successful completion one of the three-hour studies of the first year might well be postponed till the second year.

First Year.—English Language A, 3 hours; Mathematics A1, 3 hours; Foreign Languages, 3 hours; Chemistry A, 4 hours; Zoölogy A, 4 hours.

Second Year.—Foreign Languages, 3 hours; Chemistry B, 4 hours; Zoölogy B1, 4 hours; Zoölogy C, 3 hours.

Third Year.—English Literature A, 2 hours; Economics, History, or Philosophy, 3 hours; Chemistry C, 3 hours; Zoölogy D, 3 hours; Elective work, 2 hours; Anatomy, three afternoons a week.

Students Preparing for Law

The Bachelor's Degree and the Law Degree in six years.—Thirty semester-hours of work done in the Law School of this University are accepted by the College of Liberal Arts toward meeting the requirements for a bachelor's degree. Consequently a student in College who has secured ninety hours of credit, including all of the required studies for his degree as described on pages 79 and 80, and who has met the requirements for a major and a minor, may transfer to the Law School at the end of his third year and complete there the work for the collegiate bachelor's degree. Students so transferring, how-

ever, must continue their formal registration in College, during their fourth year, and are required to pay the Law School fees while pursuing studies in that school.

The satisfactory completion of the first year of the Law School course, as certified by the faculty of that School, will be deemed sufficient to make good the remaining credit of the one hundred and twenty hours required for the Liberal Arts degree.

A full four year course in College is recommended by the faculty of the Law School as preparatory to the study of law, and students are urged to complete as much as possible of a full College course before entering the Law School. The following program, which meets the requirements for a bachelor's degree, is suggested by the Law School faculty as best adapted to the needs of Law students:

First Year.—Mathematics A1, 3 hours; English Language A, 3 hours; Latin A, 3 hours; History A, 3 hours; Economics AA and A, 3 hours.

Second Year.—English Literature A, 2 hours; German A, 3 hours; English Language B, 2 hours; Latin B, 3 hours; History B, C, or BC, 2 or 3 hours; Economics B, 3 hours.

Third Year.—Latin C, 3 hours; Chemistry A, or Physics A, 4 hours; English Language F, 2 hours; History E and N, or S1, 5 hours; Economics D or Q, 2 hours.

Fourth Year.—Latin F, 2 hours; English Literature D, H, or I, 2 or 3 hours; History K, 2 hours; Philosophy A, 3 hours; Economics N, K, and L, 5 hours.

Students Preparing for the Study of Dentistry

Students in the College of Liberal Arts who intend to take up the study of Dentistry are advised to pursue courses in Latin, English, Mathematics, and the Sciences, including Physics. Those who have completed Zoölogy D, Zoölogy C, Chemistry A, and Chemistry B, will be given advance credit in the Dental School for Physiology a,b,c,d, Histology a,b,c, and Chemistry a,b,c,g.

Students Preparing for the Study of Theology

Students in the College of Liberal Arts who have completed sixty semester-hours of credit and who wish to shorten the time for securing degrees in Arts and Theology, may elect certain courses in Garrett

Biblical Institute to the amount of thirty semester-hours, thereby reducing the time for the two degrees by one year.

For convenience, the courses in the Institute open to College students are listed among those offered in the College of Liberal Arts, and are repeated here as they appear in the Institute catalogue. The names with letters are the College designations of the corresponding courses.

Hebrew of the Junior and Middle years, Hebrew A and B; Greek of the Junior year in the degree course, Greek N; History of the Christian Church, mediæval, reformation, and modern periods, History L; Christian Doctrine, Bible F.

Since exegesis plays so large a part in a theological course, students contemplating the study of Theology should secure while in college a ready command of the Greek and Hebrew languages. They will also find that a knowledge of German will prove serviceable in reading modern theological literature.

Students Contemplating the Study of Pharmacy

Students who have secured ninety semester-hours of credit in the College of Liberal Arts, including all the prescribed courses for their degree, and the requirements for a major and a minor, may enter the School of Pharmacy, and fulfill the total requirements for the bachelor's degree by satisfactorily completing the work of the first year in the course for the degree of Pharmaceutical Chemist.

The credit to be allowed in the College of Liberal Arts for work done in the School of Pharmacy may not exceed thirty semester-hours, and it may not include any items for which credit in the College has already been secured. Students taking work in the School of Pharmacy must pay the fees of that school.

Courses Preparing for Business

Students who are preparing for a business career will find ample opportunities for study along lines helpful to them in the department of Economics and History. The program of required studies for the bachelor's degree is such that the student may devote nearly the whole of the third and fourth years of the course to special study in these departments, and he may also give some time to work in these departments in the first and second years.

Persons proposing to enter business are advised to secure a good reading knowledge of at least two modern languages besides English, and an acquaintance with the elements of at least two sciences should also be secured.

The following schedule of courses is suggested for students who expect to follow a business career or who desire to enter the public service:

First Year.—Mathematics A1, 3 hours; English Language A, 3 hours; French or German, 3 hours; History A, 3 hours; Economics AA and A, 3 hours.

Second Year.—French or German, 3 hours; Chemistry A or Geology A1, 4 hours; English Literature A, 2 hours; Economics C and J, 3 hours; History BC, 3 hours.

Third Year.—Physics or other Science, 4 hours; Spanish, 3 hours; History G, 3 hours; Economics G, Q, S, and B, 6 hours.

Fourth Year.—History K or N, 2 hours; Economics D, G, K, L, and N, 12 hours; Geology A2, 3 hours.

Courses in Preparation for Foreign Service

Students who wish to prepare for the consular or other foreign service will find ample opportunities for study along lines that will fit them for this work in the departments of Modern Languages, Economics, and History. The program of required studies for the bachelor's degree is such that the student may devote nearly the whole of the third and fourth years of the course to special study in these departments; and he may also give some time to work in these departments in the first and second years.

Persons proposing to enter the foreign service are advised to secure a good reading knowledge of at least two modern languages besides English, an acquaintance with the elements of two sciences, and a thorough grasp of those subjects required in the United States' consular examinations. The most important of these include: French, German, or Spanish; the resources, commerce, history and government of the United States; the elements of political economy, trade statistics, and of international, commercial, and maritime law; political and commercial geography; and modern history, since 1850, and diplomacy of Europe and the Far East.

The following schedule of courses is suggested for students who expect to enter the consular or other foreign service:

First Year.—Mathematics A1, 3 hours; English Language A, 3 hours; French or German, 3 hours; History A or E, 3 hours; Economics A, Elements, and C, Industrial History, 3 hours.

SECOND YEAR.—French or German, 4 hours; Chemistry A or Geology A2, 4 or 3 hours; English Literature A, 2 hours; History BC, 3 hours; Economics AA, Financial History of the United States, or J, Transportation, 3 hours.

THIRD YEAR.—Physics or other science, 4 hours; Spanish, 3 hours; History G, Modern Europe, 3 hours; History N, International Law and Comparative Government, 3 hours; Economics G, Labor Question, 3 hours.

FOURTH YEAR.—History K, European Diplomacy, and S1, American Diplomacy, 4 hours; Economics B, Administration, 3 hours; Economics F, Commercial and Economic Geography, 2 hours; Economics D, Public Finance and Taxation, 2 hours; or Economics Q, Money and Banking, 2 hours. Elective one to five hours.

Suggested Courses for Students Expecting to Teach in Secondary Schools

Students expecting to teach in secondary schools will find it advantageous to elect in College a considerable number of courses which have a professional bearing. A major should be taken in the department in which the student wishes to be specially qualified, and a minor, or if possible a second major, in a closely related department. Beginners in high schools are frequently required to teach more than one subject and it is a wise precaution to be qualified in at least two departments. The Courses in the Department of Education, while designed to meet the needs of students seeking an acquaintance with the progress of education and the development of educational theory as liberal culture, at the same time giving specific professional training for teachers, should as far as possible be included in the student's program.

The following is a suggested schedule for prospective teachers:

FIRST YEAR.—English Language A, 3 hours; Mathematics A1, 3 hours; two of the following: Latin A, Greek A, French A, German A, 6 hours.

SECOND YEAR.—English Literature A, 2 hours; Education A, General History of Education, 3 hours; Science, 4 hours; Elective, including a course in the major subject and also a course in the minor subject, 7 hours.

THIRD YEAR.—Philosophy A, General Psychology, 3 hours; Edu-

cation B or J, 3 hours; Major subject, 3 hours; Minor subject, 3 hours; Electives, 3 hours.

FOURTH YEAR.—Education C, D, or H, 2 hours; major subject, 6 hours; Elective, which may well include work to complete a second major, 7 hours.

TEACHER'S DIPLOMA

On March 3, 1908, the Faculty adopted the following regulations: That there be issued from the Registrar's office, over the signature of the Registrar and of the Secretary of the Faculty, a document supplementary to the Bachelor's diploma, which shall be designated as a Teacher's Diploma.

That this same be issued upon request to students who meet the following conditions: The applicant must receive concurrently the bachelor's degree or must have previously received it; must have completed, with grade above C, the minor in Education, twelve semester hours, and the first semester of Philosophy A, General Psychology, three semester hours, and the major, at least, in the subject to be taught.

That this diploma shall specifically certify that these courses have been thus satisfactorily completed and may specify such additional courses in Education as have likewise been completed. It shall also specify the other departments in which the applicant has satisfactorily completed the minor or the major requirement.

GRADUATE STUDIES

Advanced courses of study adapted to the needs of graduate students are offered by the various departments of instruction and are announced in the general list of courses. These are in excess of the amount required for an undergraduate major, and may be pursued either with or without reference to an advanced degree. They are open to properly qualified candidates from this and from other universities. The conditions under which students may register for graduate work are given below, and the regulations affecting advanced degrees may be found on pages 138 to 141.

The work of graduate students is under the supervision of a standing committee of the Faculty, but in general a graduate student may pursue any study for which, in the judgment of the instructor in charge, he is prepared.

Every graduate student proposing to pursue advanced work as a candidate for a degree or otherwise, is required to register for such work before it is undertaken. The following are the rules governing graduate registration:

1. The registration of resident candidates for a Master's degree must be effected not later than the tenth of October next preceding the date of the final examination. The registration of non-resident candidates must be effected one year earlier than this date.

The provision "in residence" requires regular attendance upon all prescribed lectures or other exercises in the courses which the candidate pursues. Such prescribed lectures and exercises will occur at least once a week in each course of instruction.

2. A student desiring to become a candidate for a Master's degree while enrolled in one of the professional schools of this University, under Rule 4, page 138, must register as a graduate student in the College of Liberal Arts, and upon such registration will be regarded as a resident candidate.

3. A student desiring to become a candidate for a Master's degree after graduation from one of the professional schools of this University, under Rule 4, page 138, must register for the degree in the College of Liberal Arts as early as the first Monday in October next following the completion of the professional course.

4. The registration of a candidate for the Doctor's degree must be effected not later than the first Monday in October next preceding the date of the final examination.

5. A candidate for an advanced degree must furnish to the Registrar, prior to his registration, all data required for due record of his application, together with a statement of the courses of study he proposes to pursue.

Both the application and the statement of courses must be approved by the Committee on Graduate Study and by the heads of the departments in which the work is to be taken, and such approval must be filed with the Registrar as a condition preliminary to registration.

6. Graduates of this, or of any other college, not candidates for an advanced degree may, with the consent of the departments concerned, register as resident students in such advanced studies as they are found prepared to pursue.

REQUIREMENTS FOR DEGREES

The Bachelor's Degree

The programs of study described on pages 80 and 81 lead to the degrees of Bachelor of Arts and Bachelor of Science.

1. To be recognized as a candidate for a Bachelor's degree a student must file with the Registrar, on or before the last Saturday in May of the year next preceding the year in which he expects to obtain the degree, an application made out upon a form provided by the University.

2. He must have pursued studies in residence in the College of Liberal Arts of this University for at least one college year before the degree can be conferred.

3. He must have completed all the courses prescribed for the degree sought, and in addition elective courses sufficient to make a total credit of one hundred and twenty semester-hours. The total credit obtained must include the major work of at least one department, and the minor work of at least one other department.

4. In making up the total number of hours required for graduation, not more than one-sixth of the work done under the College faculty may be of grade C.

5. No student who has not by the first of October in any academic year removed all entrance conditions and who has not secured on record a total of at least eighty-four hours of credit, including all required studies of the first year, will be recognized as a candidate for a degree at the close of that academic year.

The Master's Degree

A Master's degree may be conferred upon Bachelors of this University, or of any other institution of accepted grade, under the following regulations.

1. A candidate before being recommended for a Master's degree must have pursued studies in residence in the College of Liberal Arts of this University for at least one year, except as stated below.

2. Any Bachelor of this University may become a non-resident candidate for the corresponding Master's degree, but such candidates cannot receive the degree earlier than two years after graduation. Graduates of other institutions will not be admitted as non-resident candidates for a degree.

3. Any Bachelor of this University, or of another institution of accepted grade, may become a candidate for a Master's degree while pursuing studies in the Medical School or Law School of this University, or in Garrett Biblical Institute, or on the completion of the professional course in either of these schools, subject to the provisions of Rules 2 and 3 on page 137.

4. The candidate for a Master's degree must present credit in approved courses of study amounting to thirty semester-hours. If he is enrolled in one of the professional schools above enumerated, or has graduated therefrom, his credit must amount to twelve semester-hours of advanced work in an approved field of study, in addition to the completion of the maximum prescribed professional course.

This advanced work, in the case of students in the professional schools, may be taken either under the Faculty of the College of Liberal Arts or the Faculty of the professional school, but in any

case it must be approved by the Committee on Graduate Study of the College of Liberal Arts.

5. At least one-half of the work offered for a Master's degree must be chosen from one or, at most, from two departments of study in which the candidate has previously taken the undergraduate major work or its full equivalent.

6. The candidate must present a thesis on an approved topic pertaining to the primary subject. The subject of this thesis must be filed with the Registrar not later than the first Wednesday in December; the thesis itself must be filed with the Registrar not later than the second Saturday of May. It shall be printed or typewritten in prescribed form and a copy shall be furnished to the library of the College of Liberal Arts.

7. The candidate for a Bachelor's degree who during his undergraduate course devoted excess time to the continuation of his major subject, or to other advanced topics approved by the Committee on Graduate Study, may for such work, if satisfactorily completed, receive credit toward a Master's degree; but in no case will the Master's degree be conferred in less than one year after the conferring of the Bachelor's degree.

8. A non-resident candidate for a Master's degree will be required to make written report from time to time as to the progress of his work.

9. The final examination of the candidate for the Master's degree takes place at the University at an appointed date, about May 20th. The examination is conducted by a committee composed of the head of the department in which the student has done his primary work and of at least two other members of the Faculty chosen from the same or from related departments. In the case of a candidate doing work in a professional school, two members of the Faculty of the College of Liberal Arts shall be on the examining committee.

The Doctor's Degree

The degree of Doctor of Philosophy is conferred under the following regulations.

1. A candidate for the degree of Doctor of Philosophy must have received the Bachelor's degree from this University, or from some other institution of accepted standing.

2. The degree may be conferred on successful candidates after three years of graduate study, of which at least two must be in residence. The last year, or the first two years, of the three required must be spent in residence at this University. The period of three years may, however, be shortened in the case of students who, as undergraduates, have pursued special studies beyond the requirement

for major work in the direction of their proposed graduate work. Study for any specified time will not be regarded as sufficient ground for conferring the degree. High attainments in scholarship and evidence of original investigation will be expected.

3. The candidate must give two-thirds of his time to advanced work in one department which shall constitute his primary subject. The remaining time must be given to either one or two secondary subjects. The requirement, "advanced work," shall imply preliminary study in the given subject equivalent to at least an undergraduate major in the department concerned.

4. A reading knowledge of French and German will be required as a preliminary qualification. In exceptional cases an equivalent in Latin, Greek, or Hebrew may be accepted instead of French.

5. The candidate must present a thesis upon an approved topic pertaining to his primary subject. The thesis must give evidence of original investigation. A revised typewritten copy in prescribed form must be filed with the Registrar as early as the Saturday next preceding the last Monday in April. If the thesis is approved the candidate must, within such time as shall be designated, present twenty-five printed copies of it to the University Library. The final examination, which will be held about May 20th, will be both written and oral, and will cover the entire primary subject, including the topic of the thesis.

The secondary subject, or subjects, may be discontinued when the candidate has fulfilled all requirements as to attendance at lectures and has passed a written examination upon such subjects.

Special Regulations Affecting the Doctor's Degree

Students in Garrett Biblical Institute may become candidates for the degree of Doctor of Philosophy under the following special regulations. The general regulations affecting examinations, theses, and a knowledge of foreign languages apply to these candidates.

1. The candidate must have completed a Bachelor's course, the sufficiency of which has been accepted by a joint committee of the Faculty of the Institute and of the Faculty of the College of Liberal Arts.

2. He must have completed two full years of theological study, either in Garrett Biblical Institute or in another theological school of recognized standing.

3. He must be accepted as a candidate for the degree of Doctor of Philosophy by a vote of the Faculty of the Institute, and must be registered as a candidate for such degree with the Registrar of the College of Liberal Arts; after this he must continue in residence at least two years, and must complete the work of two full years. Of this work two-thirds must be taken in one department of the Institute; the re-

maining one-third may be taken in not more than two departments of the Institute or of the College of Liberal Arts. The whole course of study selected will be subject to the approval of the faculty of the College of Liberal Arts, through its Committee on Graduate Study. During the two years of his residence the candidate will be subject to the direction of the head of the department in which his primary work is taken.

4. Of the four years thus required as a minimum for the degree of Doctor of Philosophy, three at least must be spent in residence at a theological school of high standing, and the last two at Garrett Biblical

PRIZES AND HONORS

Fellowships

For the promotion of graduate study and research the University awards annually six fellowships of three hundred dollars each. These are assigned from year to year to various departments of study according to the merits of the applicants and the conditions of the departments.

They are open alike to men and women, whether graduates of this University or of other institutions. All appointments to fellowships are made for one year.

Fellows are not required to pay tuition fees, but may be called upon to give a limited amount of assistance in the work of the department, not however to such an extent as to interfere with the primary purpose of the fellowship. Fellows entering from other institutions must pay the matriculation fee.

Applications for appointment as Fellow should be made not later than the first of April in each year. The fellowships will be assigned not later than the first of May. Blank forms for application may be had from the Registrar.

Woman's Club Fellowship.—Throught the generosity of The Woman's Club of Evanston a fellowship of three hundred dollars a year for the promotion of research in the field of Household Economics has been made available for a graduate student. The fellowship is open to women graduates of any college of accepted rank. The appointment carries with it free tuition, but the holder will be expected to render a limited amount of assistance in the work of the Woman's Club along lines closely related to her studies. The appointment will be made by the President of the University early in September. Applications should be in hand before the first of September, and should be accompanied by full information as to the character and training of the applicant, and also by an outline of the work proposed for the year.

University Settlement Fellowship.—This fellowship yields an income of three hundred dollars, contributed by the students of the College of Liberal Arts, and free tuition in the college for one year. The holder is required to reside in the Northwestern University Settlement.

Scholarships

The following scholarships are awarded annually to meritorious undergraduates in the College of Liberal Arts. Applications for appointment should be made to the Dean of the College not later than the first day of May in each year.

Catherine M. White Scholarships.—From a bequest of nine thousand dollars received under the will of Catherine M. White, of Evanston, there have been established three scholarships paying full undergraduate tuition fees. The recipients must hold themselves responsible for a limited amount of clerical service.

Missionary Scholarships.—The University, in June, 1899, established two scholarships in the College of Liberal Arts, to which the Northwestern Branch of the Woman's Foreign Missionary Society of the Methodist Episcopal Church may nominate persons intending to enter upon mission work in the foreign field. These entitle the holders to free tuition. In making nominations preference is given to students from foreign lands.

Methodist Episcopal Church Scholarship.—This scholarship, founded by the First Methodist Episcopal Church of Evanston for the benefit of meritorious students, yields annually the interest on seven hundred fifty dollars and is awarded by the church officials.

Chicago Record-Herald Scholarship.—This scholarship, the gift of the Chicago Record-Herald, affords free tuition and incidental expenses for one student.

Tully Scholarship.—This scholarship, founded in 1903 by Mr. B. F. Tully, of Chicago, is available for a properly accredited candidate for foreign missionary service, and pays the full tuition fees of the recipient. In making the award promise of usefulness, scholastic attainment, and pecuniary need will be considered in the order named.

University Guild Scholarship.—This scholarship, founded by the University Guild of Evanston, affords to a young woman student an income equal to the tuition fee in College. The holder is responsible for certain duties in the care of the Guild Rooms.

High School Scholarships.—A number of scholarships are awarded annually to select members of the incoming class, upon applications endorsed by the principal and faculty of the secondary school from which the applicant graduates. Every applicant for such scholarships must meet the full entrance requirements to college and must present certificates from the corps of teachers in his secondary school as to the excellence of his character, physical vigor, manliness, and promise of usefulness as a citizen. The award is made at the University by a committee of the College faculty.

Marcy Scholarship in Biology.—The University has at its disposal a table at the Marine Biological Laboratory, Wood's Holl, Massachusetts, for the sole use of advanced students from the biological departments of the College of Liberal Arts. The occupants of this table are entitled each season to all the privileges of the laboratory, including instruction, lectures, and the use of appliances and apparatus.

The American School of Classical Studies at Rome.—The University is a contributor to the support of the American School of Classical Studies at Rome, and is represented by a member of the Faculty on its Board of Managers. The school affords facilities for archæological and classical investigation and study in Rome, and graduates of the University are entitled to all of its advantages without expense for tuition.

Prizes

The following prizes are offered to students in the College of Liberal Arts who are candidates for a degree. No successful contestant can become a second time a competitor for the same prize. No person will be allowed to compete for any prize against whom, at the time for appointing contestants, unredeemed failures are recorded in more than one department of study.

The Kirk Prize in Oratory.—A prize of one hundred dollars, established in 1877 by Mr. James Kirk, of Evanston, and now the gift of Mrs. John B. Kirk, of Evanston, is awarded each year to the student of the College of Liberal Arts who excels in original oratory. The regulations affecting the award are as follows:

1. Orations submitted in competition must not exceed two thousand words in length, and must be typewritten in good form.
2. They must be deposited with the Registrar not later than noon of Friday next following the close of the Christmas recess.
3. From the orations submitted a committee of the faculty will select the best five to be presented at a public contest, the selection being made on the basis of thought and composition.

4. The prize is awarded after a public contest held on the evening of the first Friday in March, the findings of the committee on both thought and delivery being taken into consideration.

5. The successful contestant must present to the donor of the prize a typewritten copy of his oration.

THE HARRIS PRIZE IN POLITICAL AND SOCIAL SCIENCE.—A prize of one hundred dollars, the gift of Mr. Norman Wait Harris, of Chicago, is awarded to the writer of the best essay on an assigned topic in the department of Economics, Finance, and Administration.

1. No undergraduate student will be allowed to compete for this prize unless he shall have completed at the time of making the award the equivalent of Courses A and C in Economics.

2. Essays offered in competition must contain not less than ten thousand words, and must be either printed or typewritten. If typewritten, they must be on letter paper of a good quality, of quarto size, with a margin of not less than one inch at the top, at the bottom, and on each side, so that they may be bound without injury to the writing. On the title-page of each essay must be written an assumed name, and under cover with the essay must be sent a sealed letter containing the true name of the writer and superscribed with his assumed name.

3. The copies of all essays submitted for this prize become the property of the University, and the essay receiving the prize shall have endorsed upon it a certificate of that fact.

4. Each year the essay submitted in competition for this prize must be deposited with the Registrar of the College before twelve o'clock noon on May 1.

5. The Faculty will appoint three judges of the essays offered and the prize shall be awarded to the essay declared by at least two of the judges to be the best; provided, tnat the University expressly reserves the right to make no award of the prize in any year in which the best essay offered shall, in the opinion of the majority of the judges, not be of sufficient merit to deserve a prize.

THE GAGE DEBATE PRIZES.—Prizes aggregating one hundred dollars are given annually by the Honorable Lyman J. Gage for excellence in debating.

The recipients of these prizes are selected through a series of debates, held in the autumn of each year, to which students from all departments of the University are eligible. The men receiving the highest ranks in this series of debates receive the Gage prizes and they also become the representatives of the University in the annual contest of the Central Debating League.

THE SARGENT PRIZES IN PUBLIC SPEAKING.—Two prizes of fifty and twenty-five dollars, respectively, endowed by Mr. George M. Sargent, of Evanston, will be given to the two students who shall excel in public speaking.

1. Eight candidates are appointed by the Faculty, the selection being confined to students who have completed not less than fifty hours of college work including Elocution B.

2. In the competition, at least one of the prizes must be given for an oratorical effort. In no case may a declamation exceed twelve hundred words.

3. At this contest no prompting of the speakers will be allowed, and a failure of memory will exclude a competitor from consideration in the assignment of the prizes.

4. The award is made by a committee appointed by the Faculty, but composed of persons who are not members of that body.

REGULATIONS AFFECTING STUDENTS

Residence

Men students have little difficulty in finding comfortable homes in private families within easy reach of the College. A large number live in chapter houses, maintained by the fraternities.

All women students, wherever they reside, are under the supervision of the Dean of Women and are expected to conform to the general regulations prescribed for the conduct of those living in the Halls.

They are required to room in one or other of the Halls provided for them, unless special exemption is granted. Willard Hall, the largest of the three women's dormitories, is under the immediate oversight of the Dean of Women, who lives in the building. Pearsons Hall and Chapin Hall are in charge of an association of women residents in Evanston, incorporated as the Woman's Educational Aid Association. This association considers the claims of all applicants for admission and has a friendly supervision over the residents of these halls. The lighter housework of Pearsons and Chapin Halls is done by the young women residing in them, under the direction of a competent matron. In this way the expenses of living are materially reduced.

For information respecting Willard Hall inquiries should be addressed to Willard Hall, Evanston, Illinois; for information respecting Pearsons or Chapin Hall, inquiries should be addressed to the Corresponding Secretary of the Woman's Educational Aid Association, Evanston, Illinois.

Registration

Every undergraduate student is required to present himself at the office of the Registrar and there complete his registration before entering upon College work.

Registration days are the first Tuesday, Wednesday, and Thursday of each semester, and the student not registered at the close of this period is subject to a fee of two dollars for later registration.

On the registration days of the first semester the student must register for the work of the whole year. Changes may be made only with special permission from the Committee on Registration.

Before completing registration, the student is required to consult his Faculty adviser as to College work.

No College credit can be obtained for work not regularly registered.

Prescribed studies take precedence in registration over elective studies and in the order in which they are prescribed.

Every student must register for fifteen hours of work a week, unless permission has been obtained from the Committee on Registration to register for less or more. Two hours of laboratory work are credited as one hour.

Permission to register for more than fifteen hours is a privilege, and will not be granted unless the committee is satisfied that the student can carry the whole work creditably. No student may register for more than twelve hours if he is engaged in such outside work as will make a serious drain on his time or energy.

No student will be registered as a candidate for a degree who has deficiencies in entrance work amounting to more than five hours a week throughout one year; and no student will be credited with College work in the published lists of the catalogue until all entrance deficiencies are made up.

All entrance conditions must be removed before the beginning of the second year of residence; otherwise the work necessary to fulfill the entrance requirements must appear as a part of the regular registration for that year, the total registration to be limited to sixteen hours. The second year of a foreign language necessary to ensure admission credit for a first year is treated in all respects as an entrance condition.

All undergraduates must state upon their registration papers the full amount of work which they propose to undertake each semester, whether in the College of Liberal Arts or elsewhere, indicating the number of hours to be devoted to each subject, and the school or department in which it is proposed to be taken.

All students of the College of Liberal Arts desiring to take work in any other department of the University must first obtain formal con-

sent from the Faculty of the College of Liberal Arts and also from the Faculty of the department in which such work is to be taken, and must file such consent with the Registrar before beginning the work. Failure to comply with this regulation will be deemed sufficient cause for the cancellation of the student's entire registration.

On the registration days of each semester the student must obtain from the Registrar a statement of his tuition bill for the semester. This must be presented at once at the Business Manager's Office for settlement.

Examinations

Regular Examinations.—These are held at the close of each semester in the studies of that semester. Any student whose daily work has not been satisfactory may be excluded from examination at the option of the instructor.

Second Examinations.—These are set for students who have been absent from a regular examination, or who have failed to receive a passing grade at a regular examination. Such second examinations are held on the first Wednesday in the first semester, on the first Monday and on the Monday following Easter in the second semester.

No student may take more than one second examination for the same item of credit, and such second examination must be taken within nine months from the date of the regular examination at which credit should have been obtained.

Students absent from the regular examinations of the first semester will not be admitted to the second examinations held in February, except by permission of the instructor in charge, and such permission will be limited to cases of illness or other urgent necessity.

Additional Examinations.—These are to make up work which has been lost by excess of absences from class work, and are appointed for the last Thursday of the first semester and the last Friday of the second semester.

Students absent from a required additional examination are held to take that examination at the next date set, and no credit can be given for the course until this examination is passed.

Special Examinations.—Examinations at times other than those specified above can be given only by special permission of the Faculty.

Grades of Scholarship

At the end of each semester the standing of a student in each of his courses is reported by the instructor to the Registrar and is en-

tered on record. The standing is expressed, according to his proficiency, by one of five grades, designated A, B, C, F, R.

Grade A denotes excellent scholarship; grade B, good scholarship; grade C, poor scholarship; grade F, failure, making necessary a second examination; grade R, failure so serious that the work must be repeated in the class-room if credit is to be obtained.

Grades A, B, and C count toward a degree; but not more than one-sixth of the work done under the College Faculty offered to meet the requirements for graduation may be of grade C, and no work of grade C may be counted toward a major.

Work marked grade C may be accorded a higher grade by examination under the same regulations as apply to work marked F; the original marking, however, will remain in the record as a matter of history.

Work reported as of grade F must be made good at a second examination within nine months, or the work must be taken again in the class-room in order that credit may be obtained.

Work reported incomplete at the end of any semester, not made good before the close of the next succeeding semester, can thereafter be given credit only under the conditions which apply to work reported failed.

Students who do not take the regular examination in any subject at the close of the semester will be reported absent, and credit for that subject can only be obtained by passing a second examination at a proper time.

Undergraduates are not allowed credit for work done *in absentia*. Only those who have duly registered and have regularly pursued their studies in classes are admitted to examinations.

The semester record of each undergraduate is sent by the Registrar to the student's father or guardian. Failure to secure grade A or B for at least forty per cent of the work undertaken by him in any semester will necessitate a student's withdrawal from college.

Absences from Class Exercises

Students are expected to attend all the regular exercises in the courses for which they are registered.

If, in any semester, the absences of a student in a single course exceed one-eighth of the total number of assigned exercises in that course, he will be required to take, besides the regular examination at the close of the semester, an additional examination in that subject. The dates fixed for additional examinations are the last Thursday of the first semester and the last Friday of the second semester.

When a student's absences in any study exceed one-sixth of the total requirements in that study, his registration in that subject is can-

celled, and the privilege of examination is denied. This rule is administered by the Committee on Registration, which has power to restore the cancelled registration at its discretion.

The Library

A description of the Library building is given on page 44. The Library contains 67,697 bound volumes and approximately 45,000 pamphlets. It is open to all officers of the University, and to students upon the payment of their regular semester bills, under the following regulations.

1. During the college year the library is open daily, except on Sunday, from eight a. m. to ten p. m. In the summer vacation, except on Saturday afternoon and on Sunday, the hours are from eight to twelve a. m., and from half-past one to five p. m. The library is closed all day on New Year's Day, the Fourth of July, Thanksgiving Day, and Christmas Day.
2. All officers of the University have direct access to the shelves, and may at any time draw books for use outside of the library.
3. Students may draw for home use as many as three books at a time, which may be kept for two weeks and be once renewed for a like period.
4. Advanced students are allowed access to the shelves upon the recommendation of their instructors.
5. All students have direct access to the current periodicals, books of reference, and such other books as are placed on the reserved shelves in the reading-room at the instance of the instructors in the several departments.
6. Persons not connected with the University, desiring to use the library for purposes of study, may be allowed library privileges if responsibly introduced.

The Astronomical Observatory

The Dearborn Observatory is provided with a substantial building on the upper Campus, the gift of Mr. James B. Hobbs, of Chicago, a trustee of the University. A description of the Observatory building is given on page 45. Its plan of work includes original researches in astronomical science, the application of astronomy to geography, the communication of exact time, and instruction in astronomy to the students of the College.

The Observatory is open to visitors on Thursday evening of each week. Visitors may also be admitted at other times by making special arrangements with the Director.

The Gymnasium

The gymnasium is open to men and women and is under the supervision of competent instructors. Each student upon entering gymnasium classes undergoes a physical examination, and his health, strength, muscular development, physical defects, etc., are carefully noted. From these data a special course of exercises, based on scientific principles, is prescribed to meet his individual needs, and to give increased health, strength, and symmetry of body. See course in Physical Culture under Courses of Study.

Athletics

Athletic exercises and games participated in by students are under the supervision of the Director of Athletics and of a Committee of the Faculty which seeks to encourage manly athletic sport and out-of-door life.

The care and equipment of the athletic field, tennis courts, gymnasium, and the cost of necessary supplies and apparatus for the athletic teams is provided by the University.

Intercollegiate contests are governed by the regulations of the Western Intercollegiate Conference, of which the University is a member.

For a description of Northwestern Field see page 47.

Religious Worship

The charter of the University provides that "no particular religious faith shall be required of those who become students of this institution." The University was not established with a view of forcing on the attention of students the creed of any particular church, but for the promotion of learning under influences conducive to the formation of manly Christian character. This continues to be its aim and purpose.

Students of the College of Liberal Arts are expected to attend public worship on Sunday in the church of their choice.

Chapel service is held at noon on each week day, except Saturday, throughout the college year. Attendance upon at least three-fifths of these services is required.

When a student's record of chapel credits is deficient as many credits as he is expected to secure in one-half of a semester, his registration in all studies is cancelled, and it may be restored only on the recommendation of the faculty committee on chapel attendance.

Surplus chapel credits in excess of the three-fifths required in any semester are carried forward to the chapel record of the following semester.

Government

Students are temporary residents of the City of Evanston, and as such are amenable to the laws of the state and to the ordinances of the city. They are also subject to the rules and regulations made by the Faculty. They are held to have a knowledge of all Faculty requirements published in the catalogue, or otherwise brought to their attention.

Students may be separated from the institution whenever in the opinion of the Faculty they are pursuing a course of conduct seriously detrimental to themselves or to the University. The University will tolerate neither idleness nor dissolute habits.

Social Entertainment

Permission for holding a party or social entertainment by an organization or group of students, at which both men and women are present, must be previously obtained from the Committee on Social Life of Students. The conditions under which such party or entertainment is held are subject to the approval of the committee.

Musical Clubs

Student musical organizations, such as the glee, banjo, or mandolin clubs, and the University Band, are under the supervision of a standing committee of the Faculty. The chairman of the committee must be informed of the intended organization of any such association, and must be furnished with a statement of its plans, purposes, and membership. No formal organization is permitted without the knowledge and sanction of the committee. It is especially necessary that the business managers of such organizations make no final arrangements for public appearances of the clubs without the consent of the committee. Under no circumstances will concert dates be permitted to interfere with examinations, or to interrupt the routine of study. Students with delinquent standing are not allowed to retain connection with musical organizations.

STUDENT ORGANIZATIONS

Northern Oratorical League.—The oratorical associations of Northwestern University, the University of Michigan, the University of Wisconsin, the University of Iowa, the University of Chicago, the University of Minnesota, and Oberlin College compose the Northern Oratorical League. The purpose of this organization is to promote an interest in public speaking, and to elevate the standard of oratory, by

holding annual contests. The contests of the League are open only to undergraduates.

Central Debating League.—The students of the University of Michigan, the University of Chicago, and Northwestern University are organized into a debating league in which representatives of each university meet annually in public contest representatives of each of the others. In these contests a single question is debated each year, the contests being held in January.

The Hinman Literary Society.—Organized in 1855, during the first year of the work of the college, has had a continuous existence. It was named in honor of the first President of the University, Reverend Clark T. Hinman. It meets regularly on Tuesday evenings throughout the year. Two prizes of twenty and ten dollars, respectively, the gift of Mr. Frederick D. Raymond, of the class of 1872, are offered annually for competition among its members.

The Adelphic Literary Society.—First organized prior to 1867. After a prosperous existence of over twenty years it ceased to be active, but was reorganized in 1897. It meets regularly on Thursday evenings. Two prizes of twenty and fifteen dollars, respectively, the gift of Dr. M. C. Bragdon of the class of 1870, are competed for annually by its members.

The Rogers Debating Club.—Organized in 1897, and named in honor of Henry Wade Rogers, then President of the University. It meets on Thursday evenings. Three prizes, the gift of Mr. William Deering, are offered annually for competition among its members.

The Cleosophic Literary Society.—This society for men was organized in 1905.

Alethenai and Eulexia Literary Societies, for women, were organized in 1903.

Anonian, Calethea, and Laurean Literary Societies, for women, were organized in 1905.

The Aleph Teth Nun Society.—An organization of men students for the study of political and social problems. It meets weekly and it is frequently addressed by persons prominent in public life.

Christian Associations.—A Young Men's Christian Association and a Young Woman's Christian Association are in active operation in

the College, and exert a helpful influence upon the religious life of students. The headquarters for the Men's Association are at the Association House, 2023 Orrington Avenue, and for the Woman's Association, at Willard Hall. Each association employs a general secretary and maintains a bureau of self-help for students seeking employment. Under the direction of these organizations, religious meetings are held each week, and daily study of the Bible is promoted.

For a list of the officers of the Christian Associations of the College of Liberal Arts see University Societies.

As auxiliaries to the Christian Associations there have been organized two societies—the Student Volunteer Band, composed of young men and women who have volunteered for foreign missionary service, and a society known as Mem Aleph Nun, whose membership is composed of young men who are preparing for Christian service as ministers or Association secretaries.

THE WOMAN'S LEAGUE.—The Woman's League is an organization having as its purpose the consideration of matters of interest to college women. It is composed of women students, alumnæ, and other women actively interested in the University.

FEES AND EXPENSES

Tuition Fees

MATRICULATION FEE.—Every student on first entering the College of Liberal Arts is required to pay a matriculation fee of five dollars. This fee is paid but once and is not returnable.

FEES FOR UNDERGRADUATES.—At the beginning of each semester undergraduate students are required to pay fees for instruction and incidentals as shown in the following table. Upon payment of his semester bill a student is entitled to all the general privileges of membership in the College. He may take any course for which he is qualified under the regulations affecting registration, but in certain laboratory courses he is required to pay additional fees as shown below.

SCHEDULE OF UNDERGRADUATE FEES

Regular full tuition and incidentals	$40.00
For sons and daughters of ministers and candidates for the ministry	25.00
For students pursuing a single study, i. e., work not exceeding five hours a week	25.00
For sons and daughters of ministers pursuing a single study	18.00

Under this schedule, holders of old-time perpetual or transferable scholarships pay eighteen dollars a semester for incidentals.

Beginning with September, 1908, the undergraduate fees will be as follows:

Regular full tuition and incidentals	$50.00 a semester
For sons and daughters of ministers	30.00 a semester
For students pursuing a single study, i. e., work not exceeding 5 hours a week	30.00 a semester
For sons and daughters of ministers pursuing a single study	22.00 a semester
Holders of old-time scholarships, for incidentals	22.00 a semester

Fees For Graduate Students.—The tuition fees for graduate students, whether resident or non-resident, are determined by the number of hours of instruction taken. The fee for a lecture, or seminary, or laboratory course is five dollars a year for each year-hour of credit the course bears; but the total amount of tuition fees in any one year shall not exceed forty dollars.

Fees for Students Registered in Two Departments.—A student whose primary registration is in another department of the University or in Garrett Biblical Institute pays the fees of that department and may register in the College of Liberal Arts without additional fees for tuition, for such courses as may be approved by both faculties concerned. Such students pay the matriculation fee on their first admission to the University and are liable for the special fees in laboratory courses. Students in the Evanston Academy taking courses in College not required for admission pay regular college fees.

Laboratory Fees.—Students pursuing laboratory courses are charged additional fees varying with the department. These are to cover the cost of materials consumed and the use of special apparatus. They are not refunded if the student continues in a course as long as two weeks. In the Chemical Laboratory the fee is in the nature of a deposit, an account being kept of the material used and unexpended balances being returned to the student at the end of the year. In all departments students are chargeable for unnecessary breakages. The laboratory fees for a semester are as follows.

CHEMISTRY

Fees in this department are subject to a refund.

Course A	$ 7.50 a semester
Other courses except Course E, each	9.00 a semester
Two courses taken concurrently	15.00 a semester

PHYSICS

Course A or B	2.00 a semester
Course C or K	3.00 a semester

ZOÖLOGY

Course A	3.00 a semester
Course B1, B2, B3, C or D	2.00 a semester

BOTANY

All courses, each	2.00 a semester

GEOLOGY

Course A1, B3, or C3	2.00 a semester
Course B4	5.00 a semester

MATHEMATICS

Course B4	2.00 a semester

GRADUATION FEE.—A fee of ten dollars is charged all persons taking any degree in the College of Liberal Arts. This fee is payable on the first day of May of the year of graduation.

FEES FOR TEACHERS' COURSE.—The fee for a single course is five dollars. Admission to a single lecture is fifty cents. Students who wish to secure credit towards a degree will pay the matriculation fee of five dollars. This fee is paid but once and secures full membership in the University. Such students will be listed as special students in the College of Liberal Arts.

REFUNDS.—No fees for instruction or incidentals will be refunded except in cases of sickness. If on account of his serious illness a student withdraws before the middle of the semester, one-half of his tuition fee will be refunded, provided he secures from the Dean a statement of honorable standing, and from a physician a certificate that his health will not permit him to remain in attendance.

All bills for fees are made out at the Registrar's office in University Hall. Payment is made at the Business Manager's Office, 518 Davis Street, Evanston. Checks should be made payable to "Northwestern University," and all payments should be made in currency or in Chicago exchange.

Board and Lodging

Students living in Willard Hall pay for board and room from $6.25 to $7.25 a week, according to the desirability of the room. Bills are payable semi-annually and in advance. Applicants for rooms sign a contract, guaranteed by some responsible person other than a College officer, to occupy the assigned room for the full College year or to secure a suitable substitute. A deposit of ten dollars is required at

the time of the assignment of a room. This amount will be refunded at the end of the year or when the depositor has fulfilled her contract, or if the room is not claimed, five dollars will be refunded provided the room is surrendered before the first of August.

Room and board bills are payable strictly in advance, and no deduction is made for absence in any part of the term, except in cases of protracted illness.

Pearsons Hall and Chapin Hall are residences for women students of limited means, and applications for admission must be made to the Corresponding Secretary of the Woman's Educational Aid Association, Evanston. In these halls students pay for board and room $125.00 a year, in quarterly installments, at the beginning and at the middle of each semester, and are required to assist in the lighter housework.

The University does not provide dormitories for young men. They obtain board and lodging in private families at reasonable rates. Clubs are formed in which the cost of board is reduced to a minimum.

Table of Estimated Annual Expenditures

	LOW	AVERAGE	LIBERAL
Tuition and Incidental fees	$100	$100	$100
Board, 36 weeks	108	135	162
Room, 9 months	40	72	108
Washing	18	25	35
Text-books and stationery	10	18	35
	$276	$350	$440

Loan Funds

The University receives annually a considerable sum of money to be loaned without interest to worthy students. Loans are available to students without distinction of sex, and are made upon the recommendation of the Committee on Loan Funds. Satisfactory scholarship and promise of service are essential to securing such assistance.

Self-Support of Students

To students entering college without sufficient means to defray all their expenses, it is proper to say that the University does not undertake to furnish employment to any student, and it does not encourage students to enter who are entirely without resources. Especially is it undesirable that young women should enter college without funds if wholly dependent on their own efforts. It happens,

however, every year that not a few students are able to help themselves very materially by their own labors while carrying on their studies, but the student is obliged to rely on his own ability, industry, and economy in all such cases. The Young Men's Christian Association conducts a bureau of self-help which is of great assistance in securing work for those desiring it, and any inquiries sent to the Secretary of that Association will receive careful attention.

GROUNDS AND BUILDINGS

The Campus

The University Campus has an area of about seventy-five acres. University Hall, Fayerweather Hall of Science, Dearborn Observatory, Fisk Hall, Memorial Hall, Swift Hall, Orrington Lunt Library, Old College, the Gymnasium, Hatfield House, and Heck Hall are on the Campus; Music Hall, Willard Hall, Pearsons Hall, and Chapin Hall are situated on Willard Hall Campus, distant from University Hall about three minutes' walk.

A description in detail of the University grounds and buildings may be found on page 44.

The Museum

The Museum of the College of Liberal Arts contains large collections illustrative of the anthropology, botany, geology, mineralogy, and zoölogy. Many of these are of rare value in the work of instruction in the natural sciences.

The mineralogical collection is in Fayerweather Hall of Science; the other sections are on the fourth floor of University Hall.

The Laboratories

In the several laboratories of the College, opportunities are provided for practical instruction in the various scientific departments.

Botany—The Laboratory is on the third floor of University Hall. Tables, compound and dissecting microscopes, glassware, reagents, and lockers are provided for each student. Microtomes, incubators, and sterilizing apparatus are available for the advanced courses.

Chemistry—The Laboratory is located in Fayerweather Hall of Science and includes on the main floor: a lecture-room, seating sixty; a reading-room; a laboratory for general chemistry and qualitative anal-

ysis, with forty-six tables; a laboratory for quantitative analysis, with twelve tables; a balance-room; the professors' office and private laboratory; the assistants' room; in the basement: a general store-room, a room with four tables equipped with special conveniences for water analysis, and an office and private laboratory.

Geology—The Laboratory is in University Hall and consists of five rooms on the fourth floor. In these rooms are: study collections of typical rocks, minerals, and fossils; photographs; geological maps; a large series of topographical maps; topographical and geological models; a geological library; petrographical microscopes; thin sections of rocks and minerals; several outfits, each consisting of a plane table, alidade, aneroid barometer, hand level and compass, for topographical and geological mapping. In addition to the above is an extensive collection, belonging to the Wisconsin Geological and Natural History Survey, of rocks and ores from the copper-bearing rocks of the Lake Superior region and the Upper Mississippi Valley lead and zinc district.

Mineralogy—The Laboratory is in Fayerweather Hall of Science and contains a collection of several thousand labelled minerals and unlabelled material for determination by students. The laboratory is furnished with glass and wooden crystal models, reflecting goniometer, microscope, electrical slicing and grinding machine, and lantern slides illustrating especially mining and metallurgy. The assay laboratory is supplied with gas and coal furnaces, tools, balances, and reagents.

Physics—The Laboratory and Shops are in Fayerweather Hall of Science in rooms excellently adapted to the purpose and equipped with modern instruments, especially in the departments of acoustics, electricity, and light. Rooms for special purposes include a workshop in the basement; a room for work in spectroscopy, fitted with a curved grating; a drawing room; rooms for electric and magnetic work; a room for general optics; a photometric-room; a room for testing the strength of materials with a Riehlé testing machine; and several small rooms for individual work. In the court is a power-house with an outfit of two engines, two motors, two dynamos, and a large storage battery. These furnish power to the Observatory and Physical Laboratory. This building is also equipped with a machine shop to furnish practice for students who are preparing to be engineers.

The principal wood-working shop is in Fisk Hall. It contains twenty benches for joinery work and ten lathes for wood-turning, and is well fitted up with small tools. The metal-working shop is in the

court of Science Hall. The equipment consists of benches and vises, engine lathes, a shaper, a drill-press, and a drill-grinder, with the necessary small tools.

Psychology—The Laboratory has quarters in Old College. Consists of a general laboratory and apparatus room, dark room, research rooms, and an office and reading room. The reading room is supplied with the most helpful books and periodicals on experimental psychology. The equipment includes everything necessary for purposes of demonstration in the course in general psychology, for an elementary laboratory course, and for certain typical researches. Additions are made from time to time, as the work demands.

The Zoölogical Laboratory—In University Hall. Includes a large general work-room, a laboratory for vertebrate zoölogy, a seminary room, also used as a department library, a room for advanced students, and a preparator's room. The equipment consists of forty-seven excellent compound microscopes, several microtomes of the most recent make, dissecting microscopes and instruments, incubators, aquaria, glassware, reagents, and other apparatus necessary for elementary and advanced work in Zoölogy. The department is supplied with a full set of Leuckart's zoölogical charts and several sets of Ziegler's wax models.

SPECIAL COURSE IN ART

History of Medieval and Modern Art—During the year 1907-08 a course of thirty lectures on the history of medieval and modern art was given by Mrs. Helen A. S. Dickinson, Ph.D. This course, with certain additional work, carries a credit of two semester-hours during the second semester.

SUMMER COURSES

The opening of a Summer School with an extensive curriculum and corps of instructors was contemplated for the summer of 1908. After careful consideration it has been deemed wise to postpone for a year the formal organization of this school.

During the summer of 1908, however, as in several preceding years, special courses in a number of subjects will be offered by the instructional force of the College of Liberal Arts. In 1908 courses in the following subjects are planned: Botany, English, French, Geology and Physiography, German, Greek, Latin, and Mathematics. These courses are especially designed for teachers and for those who intend to teach in secondary schools, but are open to any persons who are suitably prepared, and the courses carry appropriate college credit to

those who matriculate. It is expected that a circular will soon be issued describing the character and scope of the different courses.

THE SCHOOL OF COMMERCE

A School of Commerce will be inaugurated in September, 1908. It will be conducted in the Northwestern University Building, at the corner of Lake and Dearborn Streets, Chicago. In the conduct of the School, the University will have the co-operation of a group of prominent business men of Chicago who guarantee the necessary expenses.

The course will extend through three years; lectures and recitations will be given in the evening from 7 o'clock to 9 o'clock four evenings each week during the college year. The course will be of college grade and will presuppose a knowledge of double entry bookkeeping together with other necessary preparation. Northwestern University Building is conveniently located for such work in the Loop District on the lines of the elevated roads and is able to furnish excellent facilities, lecture rooms, and offices. Courses in Commerce offered during the year 1907-08 as an experiment have indicated a real demand for work of this kind, and this indication is borne out by the experience of institutions in other cities.

The work of the first year will include Economics, Finance, Accountancy, Commercial Law, and kindred subjects. The work of the second and third years will include Transportation, Advanced Banking, Investments, Auditing, Advanced Commercial Law, Corporations and Finance, Insurance, Advertising, Credits, Commercial Geography, and the Relation of Business to the Government. Elective courses in language, science, and mathematics, with special attention to their relation to business enterprises, will be offered as needed. The course will lead to a diploma.

Course of Study for the First Year

ECONOMICS.—Fundamental economic principles, underlying industry, commerce and finance.

FINANCE.—The principles of money, credit, banking and foreign exchange, and the application of these principles to business.

ACCOUNTANCY.—The theory and practice of accounts. A general knowledge of double entry bookkeeping is presupposed.

COMMERCIAL LAW.—Contracts, Agency, Negotiable Instruments and other legal topics of especial importance to the business man.

Courses in the College of Liberal Arts.—Courses that fall within the scope of the School of Commerce are now offered in the College of Liberal Arts at Evanston, and it is expected that these will be supplemented by other courses and brought into co-ordination with the courses offered in Chicago.

Fees and Expenses

Each student in the School of Commerce pays a matriculation fee of $5.00 when he first enters the University. This fee is paid but once. The annual tuition fee is $75.00. A special circular will be sent upon application, and fuller information may be obtained by addressing the Secretary to the President, 87 Lake Street, Chicago.

SPECIAL COURSES FOR TEACHERS

The University offers courses in the University Building, Chicago, that are especially adapted to the needs of teachers in high schools and in the grades.

Each course consists of twelve lectures of one and one-half hours each given in consecutive weeks at such hours on Saturdays and on other days as meet the convenience of the teachers who register for them. Courses are announced from year to year that form systematic programs of study, and as far as possible arrangement is made for courses for which there is a demand. The University reserves the right to withdraw any courses announced in which the registration does not reach a minimum of ten persons.

Persons duly registered in any of the courses, who are reported by the lecturer as having attended all the lectures, completed the assigned readings, and passed the requisite examinations, are given a certificate of credit. Courses duly approved by the faculty of the College of Liberal Arts may receive College credit not to exceed two semester hours.

Staff of Instruction, 1907-08

J. Scott Clark, Lit.D.....*Professor of English Language*
Ulysses Sherman Grant, Ph.D.....*Professor of Geology*
Winfield Scott Hall, Ph.D., M.D.....*Professor of Physiology*
James Alton James, Ph.D.....*Professor of History*
Harold Clarke Goddard, Ph.D.....*Assistant Professor of English Literature*

LOUIS CÉLESTIN MONIN, Ph.D.....*Special Lecturer*
ARTHUR HERBERT WILDE, Ph.D.....*In charge of the Courses*

Courses Given, 1907-08

The following courses, with the exception of those on Masterpieces of Prose and of Poetry and on Physiology, were given as double courses in 1907-08—i. e., each course as here listed consisted of twenty-four lectures.

GENERAL PSYCHOLOGY.—The problems and methods of psychology; a discussion of the nervous system, consciousness, sub-consciousness, apperception, unity, attention, hypnotism, perception, memory, three stages of knowledge, thought, concept, judgment, reasoning, inductive and deductive logic, hallucinations, sleep, emotion, belief, habit, will, the self, the world of things and the world of values, self-activity, laws of imitation. Saturdays, 2 p. m. PROFESSOR MONIN.

MODERN EDUCATORS.—A survey of educational theories and practices from antiquity to the present time; the Education of Antiquity, of Greece, Rome, the Church, the Middle Ages, the Renaissance and Reformation, Rousseau and the Development of the Philanthropic Ideal, Pestalozzi and Education by Way of the Heart, Froebel and Self-activity, Herbart and the Science of Education, Herbert Spencer and the Teaching of Science, Horace Mann and Personality. Saturdays, 3 p. m. PROFESSOR MONIN.

AMERICAN HISTORY.—The period from 1789 to 1840, including a discussion of Jeffersonian Democracy, territorial expansion, Second War for Independence, reorganization, westward migration and internal improvements, Monroe Doctrine and its application, Jackson and the new democracy, new problems, new men and conditions about 1830. Fridays, 4:30 p. m. PROFESSOR JAMES.

ENGLISH AND AMERICAN LITERATURE.—First course, the chief Victorian poets, Tennyson, Arnold, and Browning. Second course, Poe, Emerson and the Transcendental Movement in New England, Longfellow, Whittier, Hawthorne, and Whitman. The ground covered by the assigned readings will be much wider than that covered by the lectures. Fridays, 4:20. ASSISTANT PROFESSOR GODDARD.

MASTERPIECES OF PROSE AND OF POETRY.—A study of the diction and the distinctive characteristics of the great writers of prose and of poetry. Saturdays, 10 a. m. PROFESSOR CLARK.

PHYSIOLOGY.—A pedagogic presentation. Simple demonstrations that properly equipped teachers should be able to present to pupils of the upper grammar grades. Six of the periods will be spent upon the subject of nutrition, including foods, digestion and dietetics. Principles of sanitation will receive due attention. The nervous system and the special senses will be presented from a new point of view. Saturdays, 11 a. m. PROFESSOR HALL.

GEOLOGY.—An introduction to geology and to the physiography of the lands, followed by a discussion of historical geology.

Fees

The fee for a single course is five dollars. Admission to a single lecture is fifty cents. Students who wish to secure credit towards a degree will pay the University matriculation fee of five dollars. This fee is paid but once and secures full membership in the University. Such students will be listed as special students in the College of Liberal Arts.

For further information in regard to the College of Liberal Arts, address the Dean of the College, Evanston, Illinois. For blank forms of admission and for particulars as to entrance requirements and all matters of record, address the Registrar of the College of Liberal Arts, Evanston, Illinois.

THE SCHOOL OF ENGINEERING

Several years ago, in response to an insistent demand, Northwestern University introduced in the College of Liberal Arts courses in engineering subjects. These courses have together been equivalent to two years of technical work. The graduate of the College who completed them has been prepared to earn the degree of an engineering school in two years.

A gift for the erection of an engineering building and for its endowment led the Trustees of the University to take action in June, 1907, resulting in the establishment of a School of Engineering. This gift came from Mrs. Gustavus F. Swift and her son, Mr. Edward F. Swift. The building is in course of construction at Evanston.

THE PLAN AND PURPOSE OF THE SCHOOL

Northwestern University was built up on the model of the eastern college and it has maintained this character throughout its history. It has broadened its courses, and has liberalized its rules, but it continues to cultivate the humanities with jealous care. In keeping with these ideals, the course in Engineering will introduce an unusual number of those non-technical studies that serve to develop general education and to cultivate the thinking power of the student. Unusual stress will also be laid upon Mathematics, Physics, and other sciences fundamental to engineering; to shop work and to practical work will be given as much attention as is consistent with the purpose of the School. This plan has been adopted because there appears to be increasing need for instruction of this character. On the other hand, there are already many well equipped schools of engineering giving the primary attention to practical training as opposed to this more general training; there is little need for a new school of the old kind. It is the belief of the University that a school of the kind proposed will result in the preparation of engineers of the highest type. Whatever sacrifice of practical skill it makes will be amply repaid in training of a more valuable sort. Great practical skill may be gained, if enough time is given to the drawing room, the shop, and the laboratory, but this is likely to be at the expense of time needed for general studies, mathematics, engineering, theory, and for private study.

ADMISSION

The requirements for admission to the School of Engineering are identical with those of the College of Liberal Arts, published on pages 70 to 77. Particular attention should be paid in preparation to mathematics and English composition. The requirements for graduation in the School of Engineering will be more easily met if the student presents for admission two units of French and two units of German as his requirements in foreign language. Admission to the School of Engineering may be by certificate or by examination. Graduates of high schools of approved standing should obtain certificates of work done showing the ground covered and the grade received in each study. These certificates should be sent to the Registrar at least one week before the opening of the fall semester. Certificate blanks may be had on request. Candidates who cannot present satisfactory certificates may be admitted on examination. Examinations for this purpose will be held at Evanston on September 28 and 29, 1908. College entrance examinations, given in the spring by the College Entrance Examination Board at various places in the United States, and their findings will also satisfy the entrance requirements.

Advanced Standing

Students from other colleges will be given credit for work done, as may be determined by the faculty.

SCHEDULE OF STUDY

The course of study is shown in the following schedule. The first three years are offered in the scholastic year 1908-09; the complete schedule of five years will be ready for registration in the following year.

First Year

ENGLISH LANGUAGE A.—This course gives a practical drill in the elements of good composition, and many essays are required throughout the year. *Three hours.*

FRENCH A OR GERMAN A.—Adequate preparation for this course requires two entrance units of the same language. *Three hours.*

CHEMISTRY A.—An elementary course in general Chemistry consisting of recitations and laboratory work. *Four hours.*

CHEMISTRY A.—An elementary course in general Chemistry, consisting of lectures, recitations, and laboratory work. *Four hours.*

MECHANICAL DRAWING AND SHOP WORK.—One three-hour period each week will be spent upon each of these subjects. *Two hours.*

SUMMER WORK.—Each student will be expected to secure some continuous employment, during at least six weeks of the long vacation, in approved work in drawing room, shop, or testing laboratory.

Second Year

GERMAN A OR FRENCH A.—Adequate preparation for this course will require two entrance units of the same language. *Three hours.*

PHYSICS A.—A course in general Physics, consisting of experimental lectures, recitations, and laboratory work. *Four hours.*

MATHEMATICS B1.—A course in Differential and Integral Calculus. *Four hours.*

SURVEYING.—A course in the general theory of Surveying and surveying instruments, together with as much Astronomy as is needed for that work. *Three hours.*

DESCRIPTIVE GEOMETRY, KINEMATICS, MACHINE DESIGN, AND GRAPHICAL STATICS.—This work consists of lectures, recitations, and drawing, taking up three afternoons a week. *Three hours.*

SHOP WORK.—One afternoon. *One hour.*

SUMMER WORK.—Six weeks surveying practice in field work and office work under the direction of the instructor.

Third Year

CHEMISTRY B.—Lectures, recitations, and laboratory work. First semester.—Qualitative Analysis. Second semester.—Organic Chemistry. *Four hours.*

GEOLOGY A1.—A course in general Geology and in the Physiography of the lands. *Four hours.*

MATHEMATICS C1.—A course in Advanced Calculus and Differential Equations *Three hours.*

PHYSICS B.—Principles of Mechanics; recitations and laboratory work; a large number of problems in which the student is expected to become proficient. *Three hours.*

PHYSICS C.—A course in electricity and magnetism, consisting of recitations and laboratory work. This course serves as a natural introduction to all advanced work in Electrical Engineering. *Three hours.*

APPROVED SUMMER WORK.

Fourth Year

ECONOMICS.—*Three hours.*

ENGLISH LITERATURE A.—*Two hours.*

MINERALOGY; METALLURGY OF IRON AND STEEL.

STRENGTH OF MATERIALS.

THERMODYNAMICS AND HEAT ENGINES.

ELECTRICAL ENGINEERING; DIRECT CURRENT CIRCUIT AND MACHINERY.

APPROVED SUMMER WORK.

Fifth Year

STRUCTURAL ENGINEERING.

RAILWAY ENGINEERING.

HYDRAULIC ENGINEERING.

TURBINES AND GAS ENGINES.

ELECTRICAL ENGINEERING; ALTERNATING CURRENT CIRCUIT AND MACHINERY.

RESEARCH AND THESIS.

LECTURES

Special lectures upon subjects of interest to engineers and engineering students will be provided throughout the year.

REGULATIONS

For general regulations and for regulations affecting registration, see page 146.

The schedule of study in the Engineering School requires a registration of seventeen hours a week, during five years, and approved summer work for six weeks in each of four summers.

Students who do satisfactory work in any course receive a grade known as B; those who do excellent work receive a grade known as A. Another passing grade, C, is given for unsatisfactory work, but no grade below B will be credited toward the Engineering degree. Credits are determined in part by work done throughout the year and in part by examinations held at the end of each semester.

DEGREES

The first four years' work shown in the schedule of the Engineering School includes the requirements for the degree of Bachelor of Science, which is given upon the satisfactory completion of the fourth year. This degree is not an engineering degree, but the general degree of Bachelor of Science. Upon the satisfactory completion of the entire Engineering schedule a bachelor's degree in Engineering will be conferred by the School of Engineering. The conditions upon which professional degrees in Engineering are to be awarded will be an nounced at a later date.

SCHOLARSHIPS AND FELLOWSHIPS

For information in regard to scholarships and fellowships see pages 141 to 143.

ATHLETICS

Students in the Engineering School will share with those of the College of Liberal Arts in all athletic privileges.

GROUNDS AND BUILDINGS

The School of Engineering is located on the Campus of the University at Evanston. This is a tract of land about a quarter of a mile wide and nearly a mile long, stretching along the shore of Lake Michigan. Ground has already been broken for the Swift Hall of Engineering, which will be ready for occupancy some time during the year 1908-09. Instruction in the technical studies of the Engineering schedule will be given in this building; instruction in other subjects will be given in other buildings on the same campus. For a description of the Engineering Building see page 45.

FEES AND EXPENSES

A matriculation fee of $5.00 is payable by each student upon entering the University. The annual tuition fee for students in the Engineering School for the year 1908-09 will be $100. In laboratory courses, fees are charged to cover the expense of material and power used. For a list of such fees see pages 154 and 155. A fee of ten dollars is charged each person taking a degree. A special fee of $30.00 will be charged for summer instruction and use of instruments in the field course in surveying.

Room and Board

The students of the University find suitable rooms for residence in private homes near the University campus. Board may be obtained in private families, in student clubs, and at restaurants. A considerable proportion of the students are members of fraternities, each chapter of which rents or owns a house for its exclusive use.

Self Support

Evanston offers many opportunities for young men to obtain employment of various kinds. Persons desiring such employment will do well to communicate with the Secretary of the College Young Men's Christian Association.

Inquiries for further information with regard to the School of Engineering may be addressed to School of Engineering, Northwestern University, Evanston, Illinois.

THE MEDICAL SCHOOL

Northwestern University Medical School is a part of Northwestern University. In 1859 the School was founded as a department of the Lind University, in 1864 it was reorganized as the Chicago Medical College, in 1869 it became affiliated with Northwestern University, in 1891 it assumed the name Northwestern University Medical School, and in 1905 it became an integral part of the University. Much of the success of the School is due to the benefactions of William Deering, Dr. Nathan S. Davis, Dr. Ephraim Ingals, and others.

The Medical School was the pioneer in the advancement of medical education in this country. It was the first to enforce a standard of preliminary education; to adopt longer annual courses of instruction; and to initiate, in 1859, the graded curriculum, in which the studies were assigned in logical order, and in which laboratory departments prepared the way for the practical, clinical branches.

The first two years of the four-year course are devoted to the fundamental studies of anatomy, physiology, chemistry, histology, embryology, pharmacology, pathology, and bacteriology, instruction in which is given by lectures, recitations, demonstrations, conferences, and largely by practical laboratory work. In the first, and more particularly in the second year, are introduced courses in physical diagnosis and elementary instruction in medicine and surgery.

In the last two years special pathology, medicine, surgery, and obstetrics are taught, together with all the medical and surgical specialties. These branches are taught, in small sections as well as in the larger clinics, in the dispensary and in the several large adjacent hospitals affiliated with the School. The School is open to men only.

Upon graduation a large number, more than fifty per cent of the students, are appointed, on examination, to hospital interneships, which afford, in one or two years of service under experienced clinicians, a direct practical training equivalent to many years of practice.

FACULTY

ABRAM WINEGARDNER HARRIS, Sc.D., LL.D.....*President*
NATHAN SMITH DAVIS, A.M., M.D.....*Chairman Advisory Council*
ARTHUR ROBIN EDWARDS, A.M., M.D.....*Dean*
WINFIELD SCOTT HALL, Ph.D., M.D.....*Junior Dean*

JOHN HAMILCAR HOLLISTER, A.M., M.D.....
.....*Professor Emeritus of Clinical Medicine*
FRANK SEWARD JOHNSON, A.M., M.D.....*Dean Emeritus and Professor Emeritus of Medicine and of Clinical Medicine*
JOHN HARPER LONG, M.S., Sc.D.....*Professor of Chemistry and Director of the Chemical Laboratories*
EMILIUS CLARK DUDLEY, A.M., M.D.....*Professor of Gynecology*
JOHN EDWIN OWENS, M.D.....*Professor of Surgery and of Clinical Surgery*
WILLIAM EVANS CASSELBERRY, M.D.....*Professor of Laryngology and Rhinology*
NATHAN SMITH DAVIS, A.M., M.D.....*Professor of the Principles and Practice of Medicine and of Clinical Medicine*
EDMUND WYLLYS ANDREWS, M.D.....*Professor of Surgery and of Clinical Surgery*
FRANK TAYLOR ANDREWS, A.M., M.D..*Clinical Professor of Gynecology*
JOSEPH ZEISLER, M.D.....*Professor of Skin and Venereal Diseases*
WILLIAM EDWARD MORGAN, M.D.....*Professor of Clinical Surgery*
ARCHIBALD CHURCH, M.D.....*Professor of Nervous and Mental Diseases and Medical Jurisprudence*
JOHN RIDLON, A.M., M.D.....*Professor of Orthopedic Surgery*
SAMUEL CRAIG PLUMMER, A.M., M.D..*Professor of Surgical Anatomy and of Operative Surgery*
WINFIELD SCOTT HALL, Ph.D., M.D.....*Nathan Smith Davis Professor of Physiology*
ARTHUR ROBIN EDWARDS, A.M., M.D.....*Professor of the Principles and Practice of Medicine and of Clinical Medicine*
WELLER VAN HOOK, A.B., M.D.....*Professor of Surgery and of Clinical Surgery*
JOSEPH BOLIVAR DELEE, A.M., M.D.....*Professor of Obstetrics*

ALBERT EDWARD HALSTEAD, M.D.....*Clinical Professor of Surgery*
ROBERT BRUCE PREBLE, A.B., M.D.....*Professor of Medicine*
FRANK XAVIER WALLS, M.D.....*Clinical Professor of Pediatrics*
FREDERICK ROBERT ZEIT, M.D..*Professor of Pathology and Bacteriology*
WILLIAM EDWARD SCHROEDER, M.D.....*Professor of Surgery and of Clinical Surgery*
THOMAS JAMES WATKINS, M.D.....*Clinical Professor of Gynecology*
LESTER EMANUEL FRANKENTHAL, M.D.*Clinical Professor of Gynecology*
HUGH TALBOT PATRICK, M.D.....*Clinical Professor of Nervous and Mental Diseases*
CHARLES LOUIS MIX, A.M., M.D.....*Professor of Physical Diagnosis, and Secretary of the Faculty*
CASEY ALBERT WOOD, C.M., M.D.....*Professor of Ophthalmology and Clinical Professor of Ophthalmology and Otology*
FRANK ALLPORT, M.D.....*Professor of Otology and Clinical Professor of Ophthalmology and Otology*
LOUIS ERNST SCHMIDT, M.S., M.D.....*Clinical Professor of Genito-Urinary Surgery*
CHARLES BERT REED, M.D.....*Assistant Professor of Obstetrics*
CHARLES HILL, Ph.D., M.D.....*Assistant Professor of Histology and Embryology*
LUCIUS CROCKER PARDEE, M.D.....*Assistant Professor of Skin and Venereal Diseases*
CHARLES HENDERSON MILLER, Ph.G., M.D.....*Assistant Professor of Pharmacology*
PETER THOMAS BURNS, M.D.....*Assistant Professor of Anatomy and Director of the Anatomical Laboratory*
FREDERICK MENGE, M.D.....*Assistant Professor of Laryngology and Rhinology*
JULIUS GRINKER, M.D.....*Assistant Clinical Professor of Neurology*
CHARLES MOORE ROBERTSON, M.D.....*Assistant Professor of Otology*
D'ORSAY HECHT, M.D.....*Assistant Professor of Nervous and Mental Diseases and Medical Jurisprudence*
GEORGE PAUL MARQUIS, M.D.....*Assistant Professor of Laryngology and Rhinology*
WILLIAM CUTHBERTSON, M.D.....*Associate in Gynecology*
WALTER STEELE BARNES, M.D.....*Associate in Gynecology*
HARRY MORTIMER RICHTER, M.D.....*Associate in Surgery*
FREDERICK ATWOOD BESLEY, M.D.....*Associate in Surgery*
PAUL CHESTER, B.S., M.D.....*Associate in Medicine*
ROBERT TRACY GILLMORE, M.D.....*Associate in Gynecology*
WINFIELD SCOTT HARPOLE, M.D.....*Associate in Medicine*
DAVID FALKNER MONASH, M.D.....*Associate in Obstetrics*
ALLEN BUCKNER KANAVEL, Ph.B., M.D.....*Associate in Surgery*

JOSEPH BRENNEMANN, Ph.B, M.D.....*Associate in Pediatrics*
GEORGE BOYD DYCHE, A.B., M.D.....*Associate in Medicine*
COLEMAN GRAVES BUFORD, M.D.....*Instructor in Clinical Surgery*
WALTER HERMAN BUHLIG, B.S., M.D..*Instructor in Clinical Pathology*
JOHN GAILEY CAMPBELL, A.M., M.D..*Instructor in Clinical Pediatrics*
EDWARD PERKINS CARLTON, B.S., M.D.....*Instructor in Histology*
FRED SARGEANT CROCKER, M.D.....*Instructor in Otology*
WILLIAM ROBERT CUBBINS, B.S., M.D...*Instructor in Clinical Surgery*
CHARLES GILCHRIST DARLING, M.D.....*Instructor in Ophthalmology*
ACHILLES DAVIS, Ph.B., M.D.....*Instructor in Medicine*
FREDERICK GEORGE DYAS, M.D.....*Instructor in Medicine*
FREDERICK CHARLES EGGERT, M.D....*Instructor in Operative Surgery*
CHARLES ADDISON ELLIOTT, B.S., M.D.....*Instructor in Medicine*
EDSON BRADY FOWLER, A.B., M.D.....*Instructor in Clinical Medicine*
JACOB MILTON FÜRSTMAN, M.D.....*Instructor in Ophthalmology and Otology*
ALEXANDER AARON GOLDSMITH, M.D....*Instructor in Histopathology*
CLIFFORD GROSSELLE GRULEE, A.M., M.D.....*Instructor in Pediatrics*
CLARENCE WRIGHT HEATH, M.D.....*Instructor in Ophthalmology*
CHARLES MAYOR JACOBS, M.D.*Instructor in Clinical Orthopedic Surgery*
WILLIAM JOHNSON, Ph.C.....*Instructor in Chemistry*
ELLIS KIRK KERR, A.M., M.D.....*Instructor in Medicine*
CHARLES J. KURTZ, A.M., M.D.....*Instructor in Physiology*
EDGAR NELSON LAYTON, A.M., M.D...*Instructor in Clinical Neurology*
VICTOR DARWIN LESPINASSE, M.D.*Instructor in Genito-Urinary Surgery*
THOMAS HENRY LEWIS, M.D.....*Instructor in Gynecology*
EDWARD RUSSELL OGDEN, M.D.....*Instructor in Otology*
FRANK ELLIS PIERCE, M.D.....*Instructor in Clinical Surgery*
ISAAC DONALDSON RAWLINGS, M.S., M.D.....*Instructor in Contagious Diseases at the Isolation Hospital*
HENRY DEDRICK ROEHLER, M.D....*Instructor in Operative Obstetrics*
HENRY EDWARD SAUER, B.S., M.D.....*Instructor in Gynecology*
GEORGE CURTICE SHOCKEY, M.D.....*Instructor in Clinical Neurology*
FRANK EDWARD SIMPSON, M.D.....*Instructor in Dermatology*
MORTON SNOW, M.D.....*Instructor in Pediatrics*
HERBERT MARION STOWE, M.D.....*Instructor in Operative Obstetrics*
HENRY BASCOM THOMAS, M.D.*Instructor in Clinical Orthopedic Surgery*
NEWTON EDWARD WAYSON, A.B.....*Instructor in Bacteriology*
ROBERT ALFRED BLACK, M.D.....*Assistant in Clinical Surgery*
WILLIAM SHERMAN BRACKEN, M.D.....*Assistant in Clinical Laryngology and Rhinology*
WILLIAM ELMER BRENNEMANN, M.D..*Assistant in Clinical Neurology*
GEORGE BASSETT BUTT, M.D.....*Assistant in Clinical Medicine*
JOHN FRANKLIN CAMPBELL, M.D..*Assistant in Clinical Ophthalmology*

HENRY WILLIAM CHENEY, M.D.....*Assistant in Clinical Pediatrics*
WILLIAM CLARK DANFORTH, M.D.....*Assistant in Clinical Surgery*
GEORGE JAMES DENNIS, M.D.....*Assistant in Clinical Laryngology and Rhinology*
CHARLES AUGUST ERICSON, Ph.G., M.D...*Assistant in Clinical Medicine*
CHARLES MARVIN FOX, M.D.....*Assistant in Clinical Surgery*
FRANK DOIG FRANCIS, M.D.....*Assistant in Clinical Medicine*
GUY AUBRIE GOWEN, M.D.....*Assistant in Clinical Surgery*
ALEXANDER PHILIP HORWITZ, M.D..*Assistant in Clinical Ophthalmology*
ALFRED FREDERICK JACOBSON, M.D....*Assistant in Clinical Dermatology*
GEORGE THOMAS JORDAN, M.D.....*Assistant in Clinical Ophthalmology*
SIDNEY KLEIN, M.S., M.D.....*Assistant in Clinical Medicine*
ARTHUR CHARLES KLEUTGEN, M.D.....*Assistant in Clinical Medicine*
WILLIAM OTTERBEIN KROHN, Ph.D., M.D.....*Assistant in Clinical Pediatrics*
WILLIAM HENRY LAMBORN, M.D.....*Assistant in Clinical Medicine*
OTIS HARDY MACLAY, B.S., M.D.....*Assistant in Clinical Laryngology and Rhinology*
MILTON MANDEL, M.D.....*Assistant in Clinical Medicine*
CHARLES MARTIN MATTER, M.D.....*Assistant in Clinical Surgery*
WILLIAM STEWART MCDOWELL, M.D.....*Assistant in Clinical Genito-Urinary Surgery*
ALBERT EARL MOWRY, M.D.*Assistant in Clinical Genito-Urinary Surgery*
OSCAR WALTER NAUMAN, B.S., M.D.....*Assistant in Clinical Otology*
EDWARD POWERS NORCROSS, M.D.....*Assistant in Laryngology and Rhinology*
LUTHER JAMES OSGOOD, M.D.....*Assistant in Clinical Medicine*
RUPERT MERRILL PARKER, B.S., M.D.....*Assistant in Clinical Surgery*
OTTO STEVE PAVLIK, Ph.G., M.D.....*Assistant in Clinical Gynecology*
ALBERT PECH, M.D.....*Assistant in Clinical Medicine*
LOUIS JACOB PRITZKER, M.D.....*Assistant in Clinical Gynecology*
ERNEST RAY REYNOLDS, M.D.....*Assistant in Clinical Dermatology and Syphilology*
ERNEST CHARLES RIEBEL, M.D.....*Assistant in Clinical Surgery*
JAMES GEORGE ROSS, M.D.*Assistant in Clinical Genito-Urinary Surgery*
CHARLES JOSEPH SCHOENFELD, M.D.....*Assistant in Clinical Pediatrics*
CHARLES PORTER SMALL, M.D.....*Assistant in Clinical Ophthalmology*
BROWN FRED SWIFT, B.S., M.D.....*Assistant in Clinical Genito-Urinary Surgery*
RICHARD JOSEPH TIVNEN, M.D....*Assistant in Clinical Ophthalmology*
CHARLES BENJAMIN YOUNGER, M.D.....*Assistant in Clinical Laryngology and Rhinology*
ALBERT BARNARD YUDELSON, M.D.....*Assistant in Clinical Neurology*

ELIJAH ROCKHOLD CROSSLEY, M.D..*Demonstrator in Operative Surgery*

Norman Dixon Curry, B.S., M.D. ..*Demonstrator in Operative Surgery*
Albert Triplett Horn, M.D. .....*Assistant in Anatomy*
Frederick Franklin Garrison, M.D. .....*Demonstrator in Operative Surgery*
William Crowell Van Benschoten, M.D. .....*Demonstrator in Operative Surgery*
Frank Gephart, B.S. .....*Assistant in Chemistry*

Joseph Emil Huber, Ph.G. .....*Student Assistant in Chemistry*
N. Robert Harlan .....*Student Assistant in Chemistry*
Ney Milton Salter, B.S. .....*Student Assistant in Physiology*
Francis J. Powers, M.S. .....*Student Assistant in Physiology*
William Leander McClure .....*Student Assistant in Physiology*
Ruel Norman Dunnington .....*Student Assistant in Physiology*
Edward Calder Heston, Ph.G. .....*Student Assistant in Histology*
Herman Hendrickson .....*Student Assistant in Histology*
Burt S. Stevens, Ph.G. .....*Student Assistant in Pharmacology*
Carl Ludvick Sandberg .....*Student Assistant in Pharmacology*
Herman Niels Bundesen .....*Student Assistant in Anatomy*

James Casey, Ph.G., M.D. .....*Registrar*
Margaret I. Maloney .....*Librarian*

Advisory Council

Professors Davis, Long, Dudley, E. W. Andrews, Church, Edwards, VanHook, DeLee, and Mix

REQUIREMENTS FOR ADMISSION

Preliminary Requirements

Candidates for admission to the Medical School must qualify under the following regulations:

Certificates of moral character signed by two physicians of good standing in the State in which the applicant last resided must be presented.

Graduates of recognized colleges will be admitted without examination upon the presentation of their diplomas.

Graduates of approved high schools and academies which offer courses of study equivalent to the requirements for admission to the College of Liberal Arts of this University, will be admitted without examination upon the presentation of satisfactory certificates.

On and after January 1, 1908, the entrance requirements will be one year of college work in Chemistry, Biology, Physics, and Modern Languages, in addition to the four years of high school work scheduled below. Students matriculating before January 1, 1908, will be received on the old basis.

Graduates of State Normal Schools, or of similar institutions whose courses of study are fully equivalent to those of public high schools with a four-year curriculum, will be admitted without examination upon the presentation of their diplomas.

Students not holding certificates or diplomas similar to those indicated above may be admitted on the presentation of satisfactory credentials for having completed a course of study equal to that required for admission to the College of Liberal Arts, as set forth on page 70. Otherwise they will be required to pass examinations for admission upon the subjects there enumerated, full equivalents being accepted for the prescribed subjects.

Students conditioned in entrance requirements must make up conditions before the beginning of the second year, and cannot be registered as regular students in the second-year course until this is done.

Special students not candidates for a degree will be admitted at the discretion of the Faculty.

Examinations for admission to the Medical School are held at the School on the Monday next preceding the first Tuesday in October. By special arrangement examinations may also be held at St. Paul, Minnesota; Denver, Colorado; Omaha, Nebraska; St. Louis, Missouri; Cincinnati, Ohio; Detroit, Michigan; Portland, Oregon; and San Francisco, California. For such examinations application must be made to the Secretary of the Medical School prior to June 1.

Preparation for the Study of Medicine

Students contemplating the study of medicine are urged to take at least two years of work in a college of arts or science before entering the Medical School. The following should be among the studies pursued in this preliminary training: *Modern Languages:* German or French, two years. *Chemistry:* General, organic, inorganic, qualitative analysis. *Physics:* Mechanics, hydraulics, sound, light, electricity. *Biology:* Biology of plants, general biology, comparative anatomy, physiology of vertebrates, histology and embryology.

Admission to Advanced Standing

Students who have pursued in other medical schools the following first-year medical courses may be admitted to advanced standing in the subjects covered by their official credentials if found satisfactory:

ANATOMY.—Recitations, 64 hours, and laboratory work, 320 hours, covering Osteology, and Dissection of two parts of the human body. Four parts: arm, leg, thorax and abdomen, head and neck.

PHYSIOLOGY.—Recitations, 96 hours, and laboratory work, 96 hours, covering General Physiology of cells and tissues, and the Special Physiology of the circulatory and respiratory systems, including Normal Hæmatology.

CHEMISTRY.—Lectures and demonstrations, 96 hours, and laboratory work, 196 hours, covering General Chemistry and Qualitative Analysis, with Organic Chemistry.

HISTOLOGY AND EMBRYOLOGY.—Recitations, 48 hours, and laboratory work, 192 hours, covering the microscopical anatomy of human tissues and organs and the development of vertebrate embryos.

Applicants for advanced standing must present satisfactory records for work on which credit is asked, or they must pass examinations. Certificates from other reputable medical schools covering the number of hours in class and laboratory work given in this school are accepted, when properly signed by the Dean or Secretary of the school from which the candidate in medicine comes.

Undergraduate students from other medical colleges will not be admitted to the senior class. Graduates in medicine will be admitted to the senior class only upon special action by the Faculty.

Combined Courses

Medical students who hold a bachelor's degree in Arts or Science from an institution of accepted grade may receive from this University a master's degree upon graduation in Medicine, by complying with the requirements stated on page 138 of this catalogue.

The University offers combined courses of study in the College of Liberal Arts and the Medical School which enable a student to obtain the collegiate and the medical degree with economy of time. A description of such combined courses will be found on pages 130 and 131.

GENERAL OUTLINE OF INSTRUCTION

This Medical School was the first in the country to establish graded courses. In the present courses the student progresses from the fundamental to the clinical subjects. The advantage of such gradation can only be secured by attending the school for at least

eight months consecutively each year, and by beginning with the fundamental subjects in the first semester of each year. Deviation from the regular schedule of work is not allowed save by action of the Faculty.

The first and second years are largely occupied by subjects which are introductory to practical medicine.

The subjects of the first year may be studied at the Medical School; or, with the exception of anatomy and surgery, in the laboratories of the College of Liberal Arts at Evanston. These studies may be completed during the summer term of the Medical School. The work in anatomy may be taken during the year in the laboratories of the Dental School.

Schedule of Courses

In the following general arrangement of the course, letters refer to the course as described on pages 182 to 201.

Each of the subjects will be presented under the main headings as given in the table below, separately and complete, and in alphabetical order in the DEPARTMENTS OF INSTRUCTION.

	FIRST YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAR
ANATOMY	a,b,c			
Histology and Embryology	a,b,c	d,e		
CHEMISTRY	a,b,c,d,e,f	d,h,i,j		
GYNECOLOGY			a	b,c,d,e,f
MEDICINE			d,e,f,g	h,i,j,k,l,m,n
Physical Diagnosis		a,b,c		h,i,j,k,l,m,n
Dermatology and Syphilology				
Laryngology and Rhinology			a,b,c	
Mental Diseases				a,b,c
Medical Jurisprudence and Neurology			a,b,c,d	
			g	a,b,c,d,e,f
Ophthalmology			b	c,d,e,f,g
Otology			a	b,c,d,e,f,g
Pediatrics			a,b,c,d,e,f	
OBSTETRICS			a,d	b,c,d
PATHOLOGY AND BACTERIOLOGY		a,b,c,d,e	k,l	
PHARMACOLOGY		a,b,c,d,e		
PHYSIOLOGY	a,b,c	e,f,g,h	[g,h,i,j]	
SURGERY			a,b,c,d,e,f,	k,l,m,n,p,q,r
Orthopedic Surgery			a,b,c,d	

The logical sequence of the studies of the first and second years leads up to the practical courses of the third and fourth years. As some of the subjects now given in the Medical School are required for admission after January 1, 1908, after that date more practical work will be introduced in the earlier years of the course. The student approaches the practical subjects of the third year after completing those subjects preparatory to practical medicine and after courses in Physical Diagnosis and Preliminary Surgery and Medicine in the second year. The principles of medicine, surgery, and obstetrics are studied in recitations, in section work in the dispensary, and in larger clinics. The courses in special pathology and clinical pathology closely follow the clinical work and are accompanied with clinics and recitations on nervous diseases, gynecology, eye and ear, nose and throat, orthopedic surgery, and diseases of children.

In the fourth year the instruction is, as far as possible, case-teaching and is largely clinical.

In the entire course, the classes, wherever it is possible, are limited in size, a matter of great advantage to the student, as it gives him the privilege of personal instruction. The sections of classes are sufficiently small to give each student an opportunity to take for himself, under the personal supervision of his teacher, every step in the technique of laboratory and clinical courses.

Clinical Instruction

Clinical instruction occupies most of the last two years and a part of the second year. Clinical material is very abundant and is furnished by the South Side Dispensary, Wesley Hospital, Mercy Hospital, St. Luke's Hospital, Provident Hospital, The People's Hospital, The Cook County Hospital, and The Chicago Lying-in Dispensary. Some of the hospital and college clinics are attended by the entire class, but the greater number of clinics are given to small sections, of twelve to sixteen students, who thus receive individual instruction in physical examination, diagnosis, and treatment. A most important feature of the clinical instruction is the bedside hospital clinic, in which a small group of students accompany the teacher through the ward and study the details of symptoms, diagnosis, and treatment, and follow the cases throughout the progress of disease. The course of bedside clinical instruction is so arranged that each student has at least two periods a week. The hospital beds to which the students have access number in the aggregate over seven hundred. The course in clinical obstetrics at the Chicago Lying-in Dispensary is obligatory.

DEPARTMENTS OF INSTRUCTION

The studies of the course are grouped into departments, and are arranged alphabetically under the headings given on page 180.

Anatomy

PROFESSOR BURNS, DR. HORN, DR. RIEBEL, AND ASSISTANTS

The equipment of the Department of Anatomy has been much enlarged recently and includes an embalming room with complete appliances for injecting and preserving anatomical material, and a large refrigerator room with a capacity of several hundred cadavers. The anatomical laboratory is a large, well-ventilated, and well-lighted room on the fifth floor of the Laboratory Building, provided with every help in the way of skeletons, models, and charts. There is a well-furnished osteological laboratory, a Museum which has been increased by a complete set of anatomical models from Ziegler in Freiburg. The Anatomical Library is large.

The course in Anatomy is a laboratory course upon the human subject.

FIRST YEAR

a. HUMAN DISSECTIONS.—Four three-hour periods a week. One and one-fourth semesters. PROFESSOR BURNS and assistants.

b. RECITATIONS ON LABORATORY WORK.—Twice a week. One semester. DR. HORN.

c. HUMAN OSTEOLOGY.—Laboratory work. Three periods a week. One-half of a semester. DR. HORN.

SECOND YEAR

d. HUMAN DISSECTIONS.—The head and neck, and the viscera, with laboratory recitations on the points dissected. Four three-hour periods a week. One and one-fourth semesters. PROFESSOR BURNS and assistants.

e. RECITATIONS ON LABORATORY WORK.—Twice a week. One and one-fourth semesters. PROFESSOR BURNS and PROFESSOR HILL.

f. APPLIED ANATOMY.—DR. RIEBEL.

g. Neurology.—A. Laboratory work, demonstrations, and lectures on the gross and microscopic anatomy of the brain and spinal cord. Twice a week. One-half of a semester. Professor Hill.

h. Neurology.—B. Recitations on laboratory work. Twice a week. One-half of a semester. Professor Hill.

Sub-Department

HISTOLOGY AND EMBRYOLOGY

Professor Hill, Dr. Carlton, and Assistants

The laboratories are well lighted and provided with modern apparatus.

Instruction includes splanchnology and normal histology of tissue and organs. The courses embrace instruction in preparation, section cutting, staining, mounting, and study of normal specimens under the microscope.

FIRST YEAR

a. General and Special Histology and Embryology.—Recitations. Twice a week first half-semester, once a week afterward. Professor Hill.

b. Histology, General and Special.—Laboratory. A study of the normal histology of tissues and organs, not including the brain and spinal cord. Two periods a week of two hours each. One-third of a semester. Professor Hill and Dr. Carlton.

c. Embryology.—Laboratory work. Two periods a week of two hours each. One-third of a semester. Professor Hill and Dr. Carlton.

Courses in Embryology are given daily during the summer vacation by Professor Hill and assistants. These are equivalent to courses a, b, c.

SECOND YEAR

d. Gross and Microscopical Anatomy of the Spinal Cord and Brain.—Two laboratory periods a week. One-fourth of a semester. Professor Hill.

SECOND, THIRD, AND FOURTH YEARS

e. Special Problems in Histology and Embryology.—Professor Hill.

The courses of the first year, a, b, c, may be completed either in the Medical School or in the laboratories of the College of Liberal Arts at Evanston. Students wishing to complete the work in College should register for the following courses in Zoölogy:

A. General Biology.—Two lectures and four hours laboratory work each week throughout the year. This course includes introductory work in embryology, and much attention is given to general physiology. It is recommended as a general introduction to Histology and Physiology. Professor Locy.

B1. Vertebrate Embryology.—Two lectures and four hours laboratory work each week, second semester. Professor Locy.

C. Cytology and Histology.—One lecture and four hours laboratory work each week throughout the year. Dr. Harper.

Chemistry

Professor Long and Assistants

The work in this department extends through the first and second years, and is required of all students.

FIRST YEAR

a. General and Inorganic Chemistry.—Lectures and demonstrations. Three times a week with frequent additional quizzes. One and one-third semesters. Professor Long and assistants.

b. Organic Chemistry.—Lectures and demonstrations. Three times a week. Two-thirds of a semester.

c. Elementary Electricity, or the Physics of Medical Electricity.—Lectures and demonstrations. Twice a week. One-half of a semester. Professor Long.

d. General Experiments.—Laboratory course. Three times a week. Three-fourths of a semester. Professor Long, Mr. Johnson, and assistants.

e. Qualitative Analysis.—Laboratory course. Three times a week. Three-fourths of a semester. Professor Long, Mr. Johnson, and assistants.

f. Volumetric Analysis.—Laboratory course. Three times a week. One-half of a semester. Professor Long, Mr. Johnson, and assistants.

SECOND YEAR

g. Physiological Chemistry.—Lectures and demonstrations. Three times a week, first semester. Professor Long.

h. Physiological Chemistry.—Laboratory course. Twice a week. One semester. Professor Long and Mr. Johnson.

i. Urine Analysis.—Laboratory course. Twice a week. One semester.

j. Laboratory Courses.—Opportunity is given to second and third-year students to carry on investigations in special lines of Physiological Chemistry, and to become familiar with the application of the spectroscope, polariscope, and other instruments, as aids in original study. The more advanced work for the coming year will be in the direction of investigation of new methods of urine and feces analysis.

The following courses in the College of Liberal Arts at Evanston will be accepted for credit in the Medical School:

A. General Chemistry.—Four hours a week throughout the year. Professor Young.

B. Qualitative Analysis and Organic Chemistry.—Four hours a week throughout the year. Professor Hines.

C. Volumetric Analysis.—Four hours a week, second semester. Professor Hines.

The satisfactory completion of these courses in College will give the student credit for courses a, b, d, e, and f, in the Medical School.

Gynecology

Professor Dudley, Professor Frank T. Andrews, Professor Watkins, Professor Frankenthal, Dr. Barnes, Dr. Cuthbertson, Dr. Gillmore, Dr. Sauer, Dr. Lewis, Dr. Pavlik, and Dr. Pritzker

Instruction in this department comprises recitations, dispensary clinics, conferences, and surgical clinics. The clinics are given in

Wesley Hospital, Mercy Hospital, St. Luke's Hospital, and to divided classes in the Dispensary. All students are required to make themselves proficient in general gynecological diagnosis and treatment, and with this object in view, are brought into close personal relation with a large number and variety of cases in the Dispensary. An average of three operative clinics a week are given in different hospitals in the immediate vicinity of the College. These clinics afford the student abundant opportunity to familiarize himself with all the major and minor operations of gynecology. Not only a theoretical, but a practical knowledge of gynecology is a prerequisite for graduation.

THIRD YEAR

a. Operative Clinics and Lectures at St. Luke's Hospital.—One two-hour period a week. October to April, Professor Dudley; April to July, Professor Frankenthal; July to October, Dr. Cuthbertson.

FOURTH YEAR

b. General Gynecology.—Recitations. Twice a week, from October to April. Dr. Gillmore, Dr. Sauer, Dr. Barnes, and Dr. Lewis.

c. Operative Clinics and Lectures at Wesley Hospital.—One two-hour period a week throughout the year. Professor Watkins.

d. Operative Clinics and Lectures at Mercy Hospital.—Once a week throughout the year. Professor Frank T. Andrews.

e. Dispensary Clinics.—Daily to divided classes. Every fourth-year student is required to attend for four weeks. Dr. Gillmore, Dr. Sauer, Dr. Barnes, Dr. Pavlik, and Dr. Pritzker.

e,e. Summer Course.—Equivalent to Course e.

f. Gynecological Clinics to Sections of the Senior Class.—Once a week. Wesley Hospital. Professor Watkins.

Medicine

Professor Davis, Professor Edwards, Professor Preble, Professor Walls, Professor Mix, Dr. Buhlig, Dr. Butt, Dr. Chester, Dr. Achilles Davis, Dr. Dyas, Dr. Dyche, Dr. Elliott, Dr. Fowler, Dr. Harpole, Dr. Lamborn, Dr. Kerr, Dr. Kleutgen, Dr. Mandel and Dr. Pech

The second-year course in Physical Diagnosis lays a broad foundation for the medical courses which are to follow. A thorough course is given in the technique of Physical Diagnosis, beginning with laboratory work upon the normal subject and illustrated by typical cases from the clinics.

An important feature in the medical instruction in the third year is the work in the medical department of the South Side Dispensary. Small sections of eight or ten students are assigned to a service of four weeks. During this service each student receives personal instruction in the application of his previous year's work in physical diagnosis, in the methods of differential diagnosis, in symptomatology, in therapeutics, and in prescription writing. The course in clinical pathology is so conducted that the laboratory findings and the clinical side of the cases are closely associated in the mind of the student. The personal contact with patients and individual opportunity to put into practice the didactic and clinical instruction of the various departments has always been a leading feature in this instruction. The third year students in small sections are quizzed over the field of medicine, covering the most important diseases, and are taught from cases.

The study of drugs and their action is begun before clinical teaching is taken up, as being essential before prescriptions for the sick are attempted. For the same reason general pathology is taken in the second year, and in the third, special pathology is taught while the recitation course in medicine is being pursued.

The fourth year is almost entirely devoted to clinical work; the student by that time is conversant with the subjects tributary to medicine and attends the larger clinics and ward walks, in which he comes into intimate contact with the patients.

SECOND YEAR

a. Physical Examinations of the Normal Body.—Laboratory work. Eight periods. Second semester. Pathological conditions, illustrated by clinical cases. Dr. Chester, assisted by Dr. Kerr, Dr. Elliott, Dr. Lamborn, and Dr. Kleutgen.

a,a. Summer Course.—Equivalent to Course a. Dr. Chester.

b. Theory and Practice of Physical Diagnosis.—Lectures twice a week. Professor Mix.

c. Physical Diagnosis Clinic.—Once a week. Cases chosen from the Dispensary Clinics are brought before the class and are presented with especial reference to diagnosis. Each student is ex-

pected to keep a record of such cases, to group and co-ordinate all cases of the same class, and to present his notes with a thesis on some one group of cases. PROFESSOR MIX.

THIRD YEAR

d. RECITATIONS FROM TEXT-BOOKS.—Supplemented by a clinic to each section of the class. Three hours a week. DR. DYCHE, DR. HARPOLE, DR. ACHILLES DAVIS, DR. ELLIOTT, and DR. KERR.

e. DISPENSARY CLINIC TO SMALL CLASSES.—Four weeks. DR. FOWLER. DR. CHESTER, DR. KERR, DR. DAVIS, DR. BUTT, DR. KLEUTGEN, DR. PECH, and DR. MANDEL.

e,e. SUMMER COURSE.—Equivalent to Course e.

f. CLINICAL LECTURES AT THE COLLEGE.—Once a week. PROFESSOR PREBLE.

g. CLINICAL LECTURES AT ST. LUKE'S HOSPITAL.—Once a week. PROFESSOR PREBLE and PROFESSOR WALLS.

FOURTH YEAR

h. LECTURES ON DISEASES OF THE STOMACH, INTESTINES, LIVER, AND PANCREAS.—One hour a week. PROFESSOR DAVIS.

i. LECTURES ON INFECTIOUS DISEASES, AND CHRONIC GENERAL DISEASES.—One hour a week. PROFESSOR EDWARDS.

j. CLINICAL LECTURES AT MERCY HOSPITAL.—Once a week, first semester; twice a week, second semester. PROFESSOR DAVIS. Three two-hour periods throughout the year. PROFESSOR EDWARDS.

k. CLINICAL LECTURES.—Once a week, first semester, Mercy Hospital, DR. CHESTER. Once a week, second semester, Wesley Hospital, DR. ELLIOTT. Once a week throughout the year, PROFESSOR PREBLE.

l. WEEKLY VISITS TO THE HOSPITAL WARDS.—Visits at Wesley, Mercy, and St. Luke's Hospitals under the guidance of PROFESSOR DAVIS, PROFESSOR EDWARDS, PROFESSOR WALLS, PROFESSOR PREBLE, DR. DYCHE, DR. CHESTER, DR. ELLIOTT, DR. KERR, DR. ACHILLES DAVIS, and DR. DYAS.

l,l. SUMMER COURSE.—Equivalent to Course l.

m. CLINICAL PATHOLOGY AND MICROSCOPY.—Laboratory work given in conjunction with the medical department of the dispensary.

The class is divided into eight sections of twelve to fifteen students. Each section attends two hours daily for one-half semester. Dr. Buhlig.

n. Summer Course.—Clinical Pathology and Microscopy. Laboratory work. Daily. Equivalent to Course m. Dr. Buhlig.

Sub-Departments

DERMATOLOGY AND SYPHILOLOGY

Professor Zeisler, Professor Pardee, and Dr. Simpson

Clinical material is very abundant and opportunity is given the students to examine each case personally. The most instructive cases are reserved for the general weekly clinic, where they are demonstrated and discussed exhaustively.

Special attention is paid to differential diagnosis, histopathology, and the treatment of the dermatoses more frequently encountered by the general practitioner.

THIRD YEAR

a. Dispensary Clinic.—Daily for four weeks. Professor Pardee and assistants.

a,a. Summer Course.—Equivalent to Course a.

b. Clinical Lectures.—One period a week throughout the year. Professor Zeisler.

c. Lectures and Recitations.—Two a week. Second semester. Professor Zeisler, Professor Pardee, and Dr. Simpson.

LARYNGOLOGY AND RHINOLOGY

Professor Casselberry, Professor Menge, and Professor Marquis

The department is equipped with stalls furnished with electric lights, for the individual training of students in the technique of the examination and treatment of the throat and nose. It follows the methods of the best foreign clinics and provides advantages not usually available to students, except in post-graduate schools. There is a dark room for translumination tests, and a clinical amphitheater capable of being darkened to allow operating by reflected artificial light. Each student is provided with a set of examining instruments.

a. Laryngology and Rhinology.—Lecture one hour a week. One semester. Professor Casselberry.

b. Clinical lectures at College or Wesley Hospital. One hour a week throughout the year. Professor Casselberry, Professor Menge, and Professor Marquis.

c. Clinic at Wesley Hospital. Once a week. Professor Menge.

d. Dispensary Clinics. Individual instruction in technique. Six periods a week for four weeks. Professor Casselberry, Professor Menge, and Professor Marquis, assisted by Dr. Dennis, Dr. Younger, Dr. Bracken, Dr. Maclay, and Dr. Norcross.

d,d. Summer course. Equivalent to Course c.

OPHTHALMOLOGY

Professor Wood and Professor Allport

The space allotted to this department includes a commodious waiting room, two large clinic rooms, and dark rooms. These, with cases well stocked with instruments and appliances, afford ample equipment for teaching and for the examination of patients. The abundant material of the Dispensary enables the teaching staff to demonstrate practically the whole field of clinical ophthalmic practice. The teaching is conducted mainly in the Dispensary before small classes of students who are taught daily lessons in accordance with a printed program. The weekly didactic lectures by Professor Casey Wood are illustrated, chiefly by the stereopticon and projection apparatus. Frequent quizzes and conferences supplement the oral teaching.

Preparation for the special work of this department is provided by the courses for second-year students, in the anatomy and physiology of the eye, under Professor Hall.

In the pathological laboratory recently organized for the Eye and Ear Departments, students have an opportunity of studying both the normal and the pathological histology of the eye, and are shown the methods of staining and mounting commonly employed in the preparation of eye specimens.

The Northwestern University Ophthalmological and Otological Society will be referred to on page 192.

Operative Eye and Ear clinics are held in St. Luke's Hospital every Thursday, from two to six o'clock. These are given for the benefit of large sections of the Junior class. For smaller sections of the Senior class an operative clinic is provided every Friday, from two to four, at Wesley Hospital, and every Wednesday, from eight to nine, at Mercy Hospital.

SECOND YEAR

a. Demonstrations.—Physiologic optics and the use of the skiascope, ophthalmoscope, etc.

THIRD YEAR

b. Clinical Lectures and Demonstrations.—St. Luke's Hospital. One period a week throughout the year. Professor Wood, Professor Allport, Dr. Woodruff, Dr. Guilford, and Dr. Brawley.

FOURTH YEAR

c. The Anatomy, Physiology, Therapy, Surgery, and Hygiene of the Eye.—One lecture a week throughout the year. Professor Wood.

d. Clinical Lecture with Operations at Wesley Hospital.—Once a week throughout the year. Professor Wood and dispensary assistants.

e. Dispensary Clinics.—In which small classes of students receive individual instruction in examination, diagnosis, and treatment of cases. Six periods a week for four weeks. Dr. Heath, Dr. Darling, Dr. Tivnen, Dr. Horwitz, Dr. Jordan, and Dr. Small.

f. Northwestern Ophthalmological and Otological Society.—Four meetings during the year.

g. Special Instruction in pathological laboratory.

h. Summer Course.—Equivalent to Course e.

OTOLOGY

Professor Allport, Professor Wood, and Professor Robertson

Once a week the Head of the Department delivers a didactic lecture upon Otology, illustrated by bones, charts, models, and stereopticon views. The lectures are supplemented by careful review quizzes. The Department has a large and well-equipped room in the Dispensary building, well furnished with all instruments, appliances, models, pictures, bones, etc., necessary for the modern treatment of patients and the advanced teaching of students. The material is abundant and all students have the opportunity of coming into personal contact with patients, to diagnosticate and treat diseases; students

are systematically taught and quizzed by the Department assistants. Once a month a physical cadaver illustration of the temporal bone and its neighborhood is made, and the various forms of mastoid operations shown.

The pathological department recently organized and equipped for the study of eye and ear diseases, is under the charge of Dr. E. P. Carlton, who makes all the dispensary examinations and teaches students, in small classes, ocular and aural pathology, and the methods of examining and preserving pathological specimens.

The Northwestern University Ophthalmological and Otological Society meets four times during the College year. Papers written by members of the Senior class are read and discussed.

Operative eye and ear clinics are held before the Junior class every Thursday from two to six o'clock, at St. Luke's Hospital; before the Senior class every Friday from two to four o'clock, at Wesley Hospital; and every Wednesday from eight to nine o'clock, at Mercy Hospital.

THIRD YEAR

a. Operative Clinic, St. Luke's Hospital.—Once a week throughout the year. Professor Allport, Professor Wood, Dr. Woodruff, Dr. Guilford, Dr. Brawley, and Dr. Murray.

FOURTH YEAR

b. Didactic and Clinical Lectures and Demonstrations.—Once a week throughout the year. Professor Allport.

c. Operative Clinic, Wesley Hospital.—Once a week throughout the year. Professor Allport, Professor Wood, Professor Robertson, Dr. Crocker, Dr. Ogden, Dr. Darling, Dr. Heath, Dr. Tivnen, Dr. Horwitz, Dr. Jordan, Dr. Small, and Dr. Campbell.

d. Dispensary Clinics.—For small classes. Six periods a week for four weeks. Professor Robertson, Dr. Crocker, and Dr. Ogden.

e. Demonstration on the Cadaver of the Surgical Anatomy of the Temporal Bone and its Surroundings.—Once a month throughout the year. Professor Robertson, Dr. Crocker and Dr. Ogden.

f. Ophthalmological and Otological Medical Society.—Papers and discussions by the Senior class. Four meetings during the College year.

g. Pathological Instruction in the Special Laboratory.—Instruction upon general ocular and aural pathology and the preparation and examination of specimens. Dr. Carlton.

PEDIATRICS

Professor Walls

It is the plan of this department to make the instruction chiefly clinical and personal.

THIRD YEAR

a. Didactic Lecture.—One period a week. One semester. Professor Walls.

b. Recitations.—One period a week. One semester. Professor Walls, Dr. Joseph Brennemann, Dr. Grulee, Dr. Campbell, Dr. Snow, Dr. Cheney, Dr. Krohn, and Dr. Schoenfeld.

c. Dispensary.—Children's clinic. Six periods a week for four weeks. Professor Walls, Dr. Campbell, Dr. Grulee, Dr. Cheney, Dr. Joseph Brennemann, and Dr. Snow.

c,c. Summer Course.—Equivalent to Course c.

d. Clinical Lecture.—One period a week. Professor Walls.

The most interesting patients attending the dispensary clinics are reserved for the weekly College clinic. This course is required of juniors and is open to seniors.

e. Diet Kitchen.—The examination and preparation of infant foods. Professor Walls.

f. Ward-Walk.—One period a week. Dr. Joseph Brennemann.

Obstetrics

Professor DeLee, Professor Reed, Dr. Monash, Dr. Stowe, and Dr. Werner

The teaching in this department is clinical, didactic, by demonstrations, by individual exercises on the manikin, and by recitations and conferences in large and small classes.

Obstetric cases in Mercy, Provident, and Wesley Hospitals are used for teaching. All senior students attend in residence the Chi-

cago Lying-in Hospital and Dispensary. Each student sees and conducts personally six to ten labors in the homes of patients, and in the hospitals under the guidance of the assistant physicians. The pathological material is abundant. Members of the teaching staff will give optional courses on special obstetric subjects at the request of small groups of students. The Obstetric Laboratory is at the service of students desiring to do special work.

THIRD YEAR

a. The Physiology of Pregnancy, Labor, and the Puerperium. —Two recitations a week throughout the year. Professor Reed and Dr. Monash.

FOURTH YEAR

b. The Pathology of Pregnancy, Labor, and the Puerperium. —Two lecture recitations a week throughout the year. Professor DeLee.

c. Individual Practice on the Manikin.—Sixteen exercises for each group of six students. Dr. Stowe, and Dr. Werner.

d. Demonstrations.—Students of both the third and fourth years attend obstetric demonstrations and labors conducted by Professor DeLee and Professor Reed in the amphitheater of Wesley Hospital. Attendance on six labors is necessary for graduation.

Pathology and Bacteriology

Professor Zeit, Dr. Goldsmith, Mr. Wayson, and Assistants

Four spacious and well-lighted laboratories occupying the whole second floor of the main college building, with modern equipment, are used for general class-work and for individual research. A number of small rooms have been set apart in which advanced students and physicians find excellent facilities for research work.

The Pathological Museum of the school is on the first floor and contains a complete and excellent collection of pathological specimens, preserved in natural colors, for instruction and practical exercises in pathological anatomy. The department is supplied with a valuable reference library.

The public autopsies held in the large amphitheater and the fresh material obtained from private and outside post-mortems, many of which are attended by small sections of the class, furnish abundant opportunity for the study of morbid anatomy and histopathology.

SECOND YEAR

a. Bacteriology, Etiology of Infectious Diseases and Immunity.—Lectures and demonstrations. Two hours a week. Both semesters. Professor Zeit.

b. Bacteriology Laboratory Work.—The class is divided into sections, each section taking three periods of three hours each week. First semester. Professor Zeit and Mr. Wayson.

c. Bacteriology Recitation Course.—One hour each week. First semester. Mr. Wayson.

d. General Pathology and Histopathology.—Laboratory work. The class is divided into sections, each section taking three periods of three hours each week. Second semester. Professor Zeit and Dr. Goldsmith.

e. General Pathology and Histopathology.—Recitation course. Two hours each week. Second semester. Dr. Goldsmith.

f. Bacteriology Laboratory Work.—Summer Course. Three hours daily. Equivalent to Course b. Professor Zeit and Mr. Wayson.

g. Bacteriology Recitation Course.—Summer course. Equivalent to Course c. Mr. Wayson.

h. General Pathology and Histopathology.—Summer course. Laboratory work. Three hours daily. Equivalent to Course d. Professor Zeit and Dr. Goldsmith.

i. General Pathology and Histopathology.—Summer course. Recitation course. Equivalent to Course e. Dr. Goldsmith.

THIRD YEAR

k. Pathology.—Lectures and demonstrations. Two hours a week throughout the year. Professor Zeit.

l. Pathology.—Post-mortem technique and exercises in morbid anatomy. College and hospital autopsies as announced on the bulletin board. Students of the third and fourth years are excused from conflicting college duties. One hundred hours of attendance required. Professor Zeit and assistants.

FOURTH YEAR

n. HYGIENE.—Recitation course of two hours a week. Second semester. DR. BUHLIG.

SECOND, THIRD, AND FOURTH YEARS

q. ADVANCED WORK AND RESEARCH IN BACTERIOLOGY.—PROFESSOR ZEIT.

r. ADVANCED WORK AND RESEARCH IN PATHOLOGY.—PROFESSOR ZEIT.

Pharmacology

PROFESSOR MILLER AND ASSISTANT

By a critical study in the laboratory, the student is familiarized with Materia Medica; he studies crude drugs and makes up official preparations. The action of drugs is studied in a laboratory course. Didactic teaching covers the physiological action of drugs and their indications. The student is carefully drilled in prescription writing.

The laboratory cabinets contain all drugs and chemicals with their preparations.

SECOND YEAR

a. PHARMACOGNOSY AND PHARMACY, OPERATIVE.—Laboratory work. Four hours a week. One semester. PROFESSOR MILLER and assistant.

a,a. SUMMER COURSE.—Two two-hour laboratory periods a week. Equivalent to Course a.

b. PHARMACOLOGY.—Experimental. Laboratory work four hours a week. One-half of a semester. PROFESSOR MILLER and assistant.

c. PRESCRIPTION COMPOUNDING.—Laboratory work. Four hours a week. One-half of a semester. PROFESSOR MILLER and assistant.

d. PHARMACOLOGY.—Recitations. Twice a week. Two semesters. PROFESSOR MILLER.

e. PHARMACY.—Dispensing. Forty-eight hours of service in Pharmacy at The South Side Dispensary, under the supervision of PROFESSOR MILLER.

THIRD AND FOURTH YEARS

f. Research Work.—Physiological Action of Drugs.

g. Lectures on Therapeutics.—Elective. Professor Miller.

Physiology

Professor Hall, Professor Grinker, Dr. Kurtz, and Assistants

Instruction is based upon laboratory work and demonstrations. In the laboratory each student demonstrates for himself fundamental laws of physiology and observes the phenomena upon which these laws are based. The demonstrations present experiments too difficult for the student to perform alone. The laboratory work and demonstrations form an experimental basis for the science of Physiology, which is presented systematically in the recitation course accompanying the experimental courses.

FIRST YEAR

a. General Physiology.—Cellular biology, and the physiology of muscle and nerve tissue, and of the muscular system. Lectures and demonstrations, three times a week, and laboratory work one period a week. One semester. Professor Hall and assistants.

b. Special Physiology.—The physiology of circulation and respiration. Recitations and demonstrations, three periods a week. Laboratory two periods a week. One-half of a semester. Professor Hall and assistants.

b,b. Summer Course.—Daily for four weeks. Equivalent to Course b. Dr. Kurtz.

c. Hæmatology.—The physiology of the blood. Recitations and demonstrations, three times a week. Laboratory work, two periods a week. One-fourth of a semester. Professor Hall and Dr. Kurtz.

c,c. Summer Course.—Daily for four weeks. Equivalent to Course c. Dr. Kurtz.

d. Nutrition.—Chemistry of the animal body, and chemistry of food and food stuffs. Recitations and demonstrations three times a week. One-fourth of a semester. Professor Hall.

SECOND YEAR

e. The Chemistry of Digestion.—Metabolism, animal heat and excretion. Recitations and demonstrations twice a week. One semester. Professor Hall.

f. Physiology of the Special Senses.—Recitations, demonstrations, and laboratory six hours a week. One-half of a semester. Professor Hall and assistants.

g. Physiology of the Central Nervous System.—Lectures, demonstrations, and recitations. Twice a week. One-half of a semester. Professor Grinker.

h. Experimental Physiology of the Central Nervous System.—Laboratory work. One period a week. One-half of a semester. Elective. Professor Grinker.

i. The Physiology of Muscular Exercise.—Four hours a week. One semester. Elective.

j. Pathologic Physiology.—Four hours a week. Elective.

k. Dietetics, Theoretical and Practical.—Four hours a week. Elective.

The courses of the first year, a, b, c, may be completed either in the Medical School or in the laboratories of the College of Liberal Arts at Evanston. Students wishing to complete the work in College should register in the department of Zoölogy as follows:

D. Physiology for Medical Students.—Three hours a week throughout the year. Dr. Harper.

Surgery

Professor VanHook, Professor Owens, Professor E. W. Andrews, Professor Ridlon, Professor Halstead, Professor Plummer, Professor Schroeder, Professor Schmidt, Professor Allport, Dr. Cubbins, Dr. Besley, Dr. Danforth, Dr. Horn, Dr. Jacobs, Dr. Kanavel, Dr. Lespinasse, Dr. McArthur, Dr. Matter, Dr. Pierce, Dr. Mowry, Dr. Richter, Dr. Ross, Dr. Swift, Dr. Thomas, and assistants

The course offered in Surgery is systematically graded, beginning in the first year with a course in the application upon plaster models

and cadavers, of roller bandages, casts, splints, extensions, etc. The last half of this course is devoted to a study of surface landmarks.

Junior students attend at St. Luke's Hospital the surgical clinics of Professor Owens and Professor Halsted and their associates, and at Wesley Hospital the clinics given by Professor Schroeder and Professor Plummer.

Sections of the senior class attend the surgical clinics at People's Hospital, given by Professor Schroeder. The whole class attends Professor Van Hook's clinics at Wesley Hospital, and Professor Andrews' clinics at Mercy Hospital.

FIRST YEAR

a,a. Preliminary Surgery.—Surface Landmarks and Bandaging. Once a week. First semester. Dr. Kanavel, Dr. Danforth, and Dr. Horn.

THIRD YEAR

a. Recitations on Surgery.—Twice a week during March, April, and May. Dr. Besley and Dr. Richter.

b. Dispensary Clinics in General Surgery.—Individual instruction in divided classes. Six times a week for four weeks. Dr. Matter, Dr. Cubbins, and Dr. Danforth.

b,b. Summer Course.—Equivalent to Course b.

c. Dispensary Clinics in Genito-Urinary Surgery.—Individual instruction in divided classes. Six times a week for four weeks. Professor Schmidt, Dr. Lespinasse, Dr. Ross, Dr. Swift, and Dr. Mowry

c,c. Summer Course.—Equivalent to Course c.

d. Operative Surgery on Cadaver.—Laboratory. Three periods a week for four weeks. First semester. Professor Plummer and assistants.

e. Experimental Operative Surgery upon Dogs.—Three periods a week for four weeks. Second semester. Dr. Richter and Dr. Kanavel.

f. Lectures and Recitations on Surgery.—Twice a week. Professor Plummer and Professor Schroeder.

g. Clinical Lectures in Wesley Hospital Amphitheater.—One two-hour period a week. Professor Plummer and Professor Schroeder.

h. Clinical Lectures in Mercy Hospital Amphitheater.—Two two-hour periods a week. Professor E. W. Andrews and assistants.

i. Clinical Lectures at St. Luke's Hospital.—Once a week. Professor Owens, Professor Allport, and Dr. McArthur.

j. Clinical Lecture on Genito-Urinary Surgery.—Once a week. Professor Schmidt.

FOURTH YEAR

k. Clinical Lecture on General Surgery.—Twice a week. Professor Van Hook.

l. Surgical Clinic in Wesley Hospital Amphitheater.—One three-hour period a week. Professor Van Hook, Dr. Richter, Dr. Matter, and Dr. Kanavel.

m. Clinical Lecture in Mercy Hospital Amphitheater.—Two two-hour periods a week. Professor E. W. Andrews, assisted by Dr. Pierce.

n. Clinical Lecture in Mercy Hospital Amphitheater.—Once a week. Professor E. W. Andrews and assistants.

p. Surgical Clinic at the People's Hospital.—Given to sections of the class once a week. Professor Schroeder.

q. Weekly Ward Visits at Wesley, Mercy, and People's Hospitals.—Twice a week. Professor Van Hook, Professor Andrews, Professor Morgan, Professor Plummer, and Professor Schroeder.

q,q. Summer Course.—Equivalent to Course q.

r. Advanced Course in Genito-Urinary Surgery at Alexian Brothers' Hospital.—Elective. Daily from 8 to 10 a. m. Professor Schmidt.

ORTHOPEDIC SURGERY

Professor Ridlon

The instruction in Orthopedic Surgery is based upon the clinical material at hand. The abundant material of the dispensary clinic furnishes a sufficient range of cases to permit a fairly complete presentation of the whole subject of Orthopedics, with the great advantage of illustrating each subject with one or more cases.

THIRD YEAR

a. Recitation or Clinical Lecture in Orthopedics.—Once a week. Professor Ridlon.

b. Dispensary Orthopedic Clinics.—Before small classes, three times a week for four weeks. Dr. Jacobs and Dr. Thomas.

b,b. Summer Course.—Equivalent to Course b.

c. Hospital Clinics and Operative Clinics.—At Mercy Hospital and Wesley Hospital, as the material allows. Professor Ridlon.

d. Special Training.—Selected students may receive personal training, at the Home for Destitute Crippled Children, in operative technique, ordering and adjustment of braces, application of plaster of Paris dressings, and in the selection of materials and details of manufacture of orthopedic appliances. Friday from 1 to 3. Professor Ridlon.

CLINICAL FACILITIES, AFFILIATED HOSPITALS AND DISPENSARY

The following hospitals are open to students of the Medical School. The names of members of the faculty of the Medical School are marked with an asterisk.

Wesley Hospital

ATTENDING STAFF

Department of Medicine.—Nathan S. Davis, M.D.,* Arthur R. Edwards, M.D.,* Robert B. Preble, M.D.,* Frank X. Walls, M.D.*

Department of Surgery.—Weller Van Hook, M.D.,* Samuel C. Plummer, M.D.,* William E. Schroeder, M.D.*

Department of Gynecology.—Thomas J. Watkins, M.D.,* Emilius C. Dudley, M.D.,* Frank T. Andrews, M.D.,* Robert T. Gillmore, M.D.,* F. W. Van Kirk, M.D.*

Department of Obstetrics.—Joseph B. DeLee, M.D.,* Charles B. Reed, M.D.*

Department of Neurology.—Archibald Church, M.D.,* Hugh T. Patrick, M.D.*

Department of Eye and Ear.—Frank Allport, M.D.,* Casey A. Wood, M.D.*

Department of Orthopedic Surgery.—John Ridlon, M.D.*

Department of Dermatology.—Joseph Zeisler, M.D.,* Lucius C. Pardee, M.D.*

Department of Laryngology.—William E. Casselberry, M.D.,* Frederick Menge, M.D.*

Department of Pathology.—Frederick R. Zeit, M.D.*

One of the most notable recent additions to the equipment of the Medical School are the operating rooms, wards, and laboratories of Wesley Hospital. The wards and private rooms contain together two hundred twenty-five beds.

The instruction given to the students in Wesley Hospital constitutes a very important part of the clinical course. The hospital stands beside the College building and is connected with it by corridors.

The annual fee for the Wesley Hospital ticket paid by seniors is five dollars. The course of clinics given is as follows:

Clinical Lectures. Gynecology c.—Once a week throughout the year. Professor Watkins and assistants.

Clinical Lectures. Medicine k.—Once a week. First semester. Professor Davis. Clinical Lectures in Medicine.—Once a week throughout the year. Professor Preble.

Clinical Lecture with Operations. Ophthalmology and Otology d.—Once a week throughout the year. Professor Allport, Professor Wood, Professor Robertson, and assistants.

Ward Visits. Medicine l.—Dr. Elliott, Dr. Achilles Davis, and Dr. Kerr.

Ward Visits. Neurology f.—Weekly. Professor Grinker and Professor Hecht.

Clinical Lectures. Surgery g.—One two-hour period a week. Professor Plummer and Professor Schroeder.

Clinical Lectures. Surgery l.—Twice a week. Professor Van Hook, assisted by Dr. Richter, Dr. Matter, and Dr. Kanavel.

Ward Visits. Surgery q.—Professor Plummer, Professor Schroeder, Dr. Parker, and Dr. Kurtz.

Mercy Hospital

CONSULTING PHYSICIANS

John H. Hollister, M.D.*

Frank S. Johnson, M.D.*

ATTENDING STAFF

Department of Surgery.—E. W. Andrews, M.D.,* William E. Morgan, M.D.*

Department of Obstetrics.—Joseph B. DeLee, M.D.,* David F. Monash, M.D.*

Department of Orthopedic Surgery.—John Ridlon, M.D.*

Department of Gynecology.—Frank T. Andrews, M.D.,* Thomas J. Watkins, M.D.*

Department of Medicine.—Nathan S. Davis, M.D.,* Arthur R. Edwards, M.D.*

Department of Eye and Ear.—Richard J. Tivnen, M.D.*

Department of Neurology.—Archibald Church, M.D.*

Department of Dermatology.—Joseph Zeisler, M.D.*

Department of Nose and Throat.—Frederick Menge, M.D.*

Department of Pathology.—Frederick R. Zeit, M.D.*

Department of Diseases of Children.—Charles A. Elliott, M.D.*

This hospital is on Twenty-sixth Street, from Prairie Avenue to Calumet Avenue, and is under the care of the Faculty of this School. It is conducted by the Sisters of Mercy, and receives a large number of patients annually. It has recently been rebuilt and enlarged so that its capacity is about four hundred beds. A large new pavilion has just been erected. The operating rooms are equipped with every modern facility.

Daily clinics are held in the hospital amphitheater, and at the bedside in the wards. The members of the Clinical Class are allowed to examine the cases for themselves, and thus acquire a personal familiarity with the clinical aspect of a large variety of diseases.

In classes of two or three, students of the senior year are allowed to watch the progress of obstetrical cases under the direction of the House Physicians.

A laboratory has been equipped for clinical bacteriology and microscopical work, which will be utilized for teaching purposes as well as for clinical examinations.

The fee for the annual Mercy Hospital ticket is six dollars.

To students of the fourth year of the Medical School the following program of courses is provided:

Clinical Lectures. Gynecology d.—Once a week. Professor Frank T. Andrews.

Clinical Lectures. Medicine j.—Once a week, first semester; twice a week, second semester. Professor Davis.

Clinical Lectures. Medicine.—Twice a week to fourth-year class. Professor Edwards.

Clinical Lectures. Ophthalmology and Otology o.—Sections of the class, once a week. Dr. Tivnen.

Ward Visits. Medicine 1.—Three times a week. Professor Davis, Professor Edwards, Dr. Dyche, Dr. Chester, and Dr. Dyas.

Clinical Lectures. Surgery m.—Twice a week to the fourth-year class. Professor E. W. Andrews.

Clinical Lectures. Surgery n.—Once a week. Professor E. W. Andrews.

Ward Visits. Surgery q.—Twice a week. Professor E. W. Andrews, Dr. Buford, and Dr. Pierce.

St. Luke's Hospital

ATTENDING STAFF

Department of Surgery.—John E. Owens, M.D.,* Lewis L. McArthur, M.D., W. H. Allport, M.D., Albert E. Halstead, M.D.*

Department of Medicine.—Frank Billings, M.D., Henry B. Favill, M.D., Frank X. Walls, M.D.,* Robert B. Preble, M.D.*

Department of Gynecology.—Emilius C. Dudley, M.D.,* Thomas J. Watkins, M.D.,* Lester E. Frankenthal, M.D.,* William Cuthbertson, M.D.*

Department of Obstetrics.—Frank Carey, M.D., Junius C. Hoag, M.D.

Department of Eye and Ear.—Frank Allport, M.D.,* Casey A. Wood, M.D.,* Thomas A. Woodruff, M.D., Paul Guilford, M.D.

Department of Oral Surgery.—Thomas L. Gilmer, M.D.*

Department of Pathology.—Frederick R. Zeit, M.D.,* Ludwig Hektoen, M.D.

Department of Orthopedic Surgery.—Frederick Mueller, M.D., J. L. Porter, M.D., E. W. Ryerson, M.D.

Department of Laryngology and Rhinology.—William Casselberry, M.D.,* T. Melville Hardie, M.D., Norval H. Pierce, M.D.

Department of Neurology.—Archibald Church, M.D.,* Sanger Brown, M.D.

Department of Dermatology and Radiotherapy.—W. A. Pusey, M.D.

Department of Pathology.—T. L. Dagg, M.D.

This hospital is situated on Indiana Avenue, near Fourteenth Street. Owing to its central situation, it receives many accident cases, and its surgical clinic is consequently large. Clinics are given regularly in medicine, nervous diseases, surgery, gynecology, and diseases of the eye and ear. The autopsies, held by the pathologists in the amphitheater of the hospital morgue, constitute an important part of the clinical instruction.

The clinics and autopsies of St. Luke's Hospital are attended principally by the third year students. The annual fee is five dollars. The following courses are given:

3. a. Clinical Lectures in Gynecology.—Once a week. Professor Dudley, Professor Frankenthal, and Dr. Cuthbertson.

4. g. Clinical Lectures in Medicine.—Once a week. Professor Preble and Professor Walls.

Clinical Lectures. Ophthalmology b.—Once a week. Professor Allport and Professor Wood.

Ward Visits. Medicine o.—Once a week. Professor Walls.

Clinical Lectures. Surgery i.—Once a week. Professor Owens, Professor Allport, Professor Halstead, and Professor McArthur.

Provident Hospital

ATTENDING STAFF

Department of Surgery.—Daniel H. Williams, M.D., A. A. Wesley, M.D., J. Charles Hepburn, M.D., William E. Schroeder, M.D.*

Department of Obstetrics.—Joseph B. DeLee, M.D.,* T. J. Robeson, M.D.

Department of Dermatology and Genito-Urinary Surgery.—Samuel L. Weber, M.D., J. N. Croker, M.D.

Department of Gynecology.—G. C. Hall, M.D., Eugene O. Christoph, M.D., Frank M. Clement, M.D., Thomas J. Watkins, M.D.*

Department of Pathology.—Rex Brown, M.D.

Department of Medicine.—A. W. Williams, M.D., Edward S. Stewart, M. D., Albert E. Mowry, M.D.,* W. W. McCleary, M.D.

Department of Eye and Ear.—J. R. Kewley, M.D., W. A. W. Hawley, M.D.

Department of Nose and Throat.—J. Frank McKinley, M.D.

Department of Pediatrics.—Edward S. Miller, M.D., Andrew L. Smith, M.D., W. C. Williams, M.D., J. R. White, M.D., Clifford G. Grulee, M.D.*

Department of Oral Surgery.—C. E. Bentley, M.D., C. P. Pruyn, M.D.

This hospital is located at the corner of Thirty-sixth and Dearborn Streets. It has been enlarged recently, and has one hundred beds, which accommodate eight hundred patients annually. There is a large dispensary in which about six thousand ambulatory patients receive treatment each year.

The People's Hospital

The People's Hospital is a private institution. It was organized in 1897 by Dr. I. C. Gary, Northwestern, 1889, as an ideal wage-earners' hospital, for those in moderate circumstances.

It is open to the Medical School for clinical teaching. It is conveniently situated within short walking distance of the school, at the corner of Archer Avenue and Twenty-second Street. One interne is appointed each year from the graduating class at the college, and two senior students live at the hospital and serve as assistants. The hospital is well supplied with operating rooms and with a complete laboratory.

CONSULTING STAFF

Surgeon, William E. Morgan, M.D.*

Physician, George W. Webster, M.D.

Gynecologist, Frank T. Andrews, M.D.*

Neurologist, Hugh T. Patrick, M.D.*

ATTENDING STAFF

Department of Surgery.—William E. Schroeder, M.D.,* M. F. Murray, M.D., Gustav M. Blech, M.D.

Department of Eye and Ear.—J. R. Keweley, M.D., W. A. Peterson, M.D.

Department of Obstetrics.—I. C. Gary, M.D., D. W. Eiss, M.D.

Department of Pediatrics.—C. H. Bryan, M.D.

Department of Medicine.—Charles A. Elliott, M.D.,* L. N. Barlow, M.D., Samuel J. Russell, M.D., Charles A. Erickson, M.D.,* L. J. Isaacs, M.D.

Department of Radiotherapy.—G. G. Burdick, M.D.

Department of Orthopedic Surgery.—John L. Porter, M.D.

Department of Rectal Surgery.—Charles J. Drueck, M.D.

The clinical course given at The People's Hospital is as follows:

9. q. Surgical Clinic.—Sections of the Senior Class. Once a week. Professor Schroeder and Dr. Riebel.

The South Side Dispensary

DISPENSARY STAFF

CHIEF OF DISPENSARY STAFF, FRANK X. WALLS, M.D.*

DEPARTMENT OF MEDICINE

ARTHUR R. EDWARDS, M.D.*
ROBERT B. PREBLE, M.D.*
CHARLES L. MIX, M.D.*
WINFIELD S. HARPOLE, M.D.*
EDSON B. FOWLER, M.D.*
PAUL CHESTER, M.D.*
ACHILLES DAVIS, M.D.*
GEORGE B. BUTT, M.D.*
FRANK D. FRANCIS, M.D.*
LUTHER J. OSGOOD, M.D.*
ALBERT PECH, M.D.*
ARTHUR C. KLEUTGEN, M.D.*
CHARLES A. ERICKSON, M.D.*
ELLIS K. KERR, M.D.*
WILLIAM H. LAMBORN, M.D.*
MILTON MANDEL, M.D.*

DEPARTMENT OF SURGERY

WELLER VAN HOOK, M.D.*
HARRY M. RICHTER, M.D.*
FREDERICK A. BESLEY, M.D.*
WILLIAM R. CUBBINS, M.D.*
FRANK E. PIERCE, M.D.*
ALLEN B. KANAVEL, M.D.*
ERNEST C. RIEBEL, M.D.*
ROBERT A. BLACK, M.D.*
CHARLES MARVIN FOX, M.D.*
CHARLES M. MATTER, M.D.*

DEPARTMENT OF NEUROLOGY

ARCHIBALD CHURCH, M.D.*
HUGH T. PATRICK, M.D.*
JULIUS GRINKER, M.D.*
D'ORSAY HECHT, M.D.*
EDGAR N. LAYTON, M.D.*
GEORGE C. SHOCKEY, M.D.*
WILLIAM E. BRENNEMANN, M.D.*
ALBERT B. YUDELSON, M.D.*

DEPARTMENT OF ORTHOPEDIC SURGERY

JOHN RIDLON, M.D.*
HENRY B. THOMAS, M.D.*
CHARLES M. JACOBS, M.D.*

DEPARTMENT OF GYNECOLOGY

EMILIUS C. DUDLEY, M.D.*
THOMAS J. WATKINS, M.D.*
FRANK T. ANDREWS, M.D.*
WALTER S. BARNES, M.D.*
HENRY E. SAUER, M.D.*
ROBERT T. GILLMORE, M.D.*
THOMAS H. LEWIS, M.D.*
LOUIS J. PRITZKER, M.D.*
OTTO S. PAVLIK, M.D.*

DEPARTMENT OF OPHTHALMOLOGY

Casey A. Wood, M.D.*
Clarence W. Heath, M.D.*
Charles G. Darling, M.D.*
Richard J. Tivnen, M.D.*
Otto S. Pavlik, M.D.*
Alexander P. Horwitz, M.D.*
John F. Campbell, M.D.*
George T. Jordan, M.D.*
Edward P. Carlton, M.D.*

DEPARTMENT OF OTOLOGY

Frank Allport, M.D.*
Charles M. Robertson, M.D*
Edward R. Ogden, M.D.*
Charles P. Small, M.D.*
Fred S. Crocker, M.D.*
Oscar W. Nauman, M.D.*

DEPARTMENT OF PEDIATRICS.

Frank X. Walls, M.D.*
Joseph Brennemann, M.D.*
Morton Snow, M.D.*
Clifford G. Grulee, M.D.*
John F. Campbell, M.D.*
William O. Krohn, M.D.*
Henry W. Cheney, M.D.*
Charles J. Schoenfeld, M.D.*

DEPARTMENT OF LARYNGOLOGY AND RHINOLOGY

William E. Casselberry, M.D.*
Frederick Menge, M.D.*
George P. Marquis, M.D.*
Charles B. Younger, M.D.*
George J. Dennis, M.D.*
Otis H. Maclay, M.D.*
William S. Bracken, M.D.*
Edward P. Norcross, M.D.*

DEPARTMENT OF DERMATOLOGY AND SYPHILOLOGY

Joseph Zeisler, M.D.*
Ernest R. Reynolds, M.D.*
Lucius C. Pardee, M.D.*
Frank E. Simpson, M.D.*
Alfred F. Jacobson, M.D.*

DEPARTMENT OF GENITO-SURGERY.

Louis E. Schmidt, M.D.*
Victor D. Lespinasse, M.D.*
James G. Ross, M.D.*
Fred B. Swift, M.D.*
Albert E. Mowry, M.D.*
William S. McDowell, M.D.*

The Dispensary is in Davis Hall, which was constructed especially for an out-patient hospital, and contains accommodations as complete as any institution of its kind in the country. Twenty-five thousand patients are treated in this dispensary annually.

Small classes of students are trained by the physicians in charge of the respective departments, in the details of physical diagnosis.

For dispensary courses, see the several departments of instruction.

The Chicago Lying-in Hospital and Dispensary

The course of instruction offered by this institution is both clinical and didactic. Each senior of the Medical School is required to take a course of two weeks during which he conducts personally from six to ten labors, under the supervision of the resident staff. He is also required to attend the mother and child during the puerperium.

The fee for the course is fifteen dollars, payable in advance to the Hospital.

The students care for cases in the Hospital at 294 Ashland Boulevard, and for cases in the Dispensary at 302 Maxwell Street. The Dispensary is situated in the most thickly populated district of Chicago, and its work is done in the homes of the patients.

Over one thousand one hundred patients are confined in this service yearly—one hundred fifty in the Hospital and nine hundred fifty in the Dispensary.

Cook County Hospital

The Cook County Hospital is a public institution situated at the corner of Wood and Harrison Streets. The average number of patients is between nine hundred and a thousand daily. It is open to all medical schools for clinical instruction. A number of medical schools have been located in its vicinity, and the number of students attending its clinics aggregates about one thousand.

The representatives of the Faculty of Northwestern University on the Hospital Staff are: In Medicine—Professor Mix, Professor Preble, Dr. Harpole, Dr. Elliott, Dr. Goldsmith, and Dr. Kerr. In Surgery—Professor Andrews, Professor Schroeder, Professor Halstead, and Dr. Besley.

The Cook County Hospital Clinics by members of this faculty are given every Friday from 9 a.m. until 4 p.m. to the students in the Junior Class. The annual ticket is five dollars.

Hospital Appointments

There are four interneships at Wesley Hospital each year, six at Mercy Hospital, five at St. Luke's Hospital, thirty-four at Cook County Hospital, five at The Alexian Brothers' Hospital, three at The Michael Reese Hospital, six at St. Elizabeth's Hospital, two at Chicago Hospital,

two at Provident Hospital, one at The Passavant Hospital, one at The Chicago Policlinic, and six at The Chicago Lying-in Hospital. Two members of the graduating class, if they have shown proficiency and are desirous of receiving training in Genito-Urinary, Venereal, and Skin Diseases, may receive appointments as internes, to serve one year each, at The Alexian Brothers' Hospital, by applying to Dr. L. E. Schmidt. For hospital appointments secured in 1907 see Prizes and Honors.

TEXT-BOOKS, REFERENCE BOOKS, AND LIBRARY BOOKS FOR 1907-1908.

The names of Text-Books used are printed in italics.

DICTIONARIES.—*Gould,* Century, American Illustrated Medical.

ANATOMY.—*Gray, Cunningham, Cunningham's Dissector, Treves' Applied Anatomy,* Yutzey's atlas of Dissections, Ellis' Demonstrations of Anatomy, Morris, Quain, Gerrish, Jœssel, Edinger on Brain and Spinal Cord, Spalteholtz, Howell on Dissection of the Dog, Whitehead, Holden's Osteology, Hayne's Manual of Anatomy, Eisendrath, Woolsey.

HISTOLOGY.—*Hill,* Bohm and Davidoff, Stöhr, Quain, Szymonowicz, Bailey, Ferguson and Hubert, Piersol, Schaefer.

EMBRYOLOGY.—Heisler, Hertwig, Quain, Marshall, Minot, Manton's Syllabus.

PHYSIOLOGY.—*Hall's Text-Book of Physiology. Hall's Manual of Experimental Physiology,* Howell, Brubaker, Landois.

CHEMISTRY.—*Long's General Chemistry, Long's Analytical Chemistry, Long's Text-Book of Physiological Chemistry, Long's Urine Analysis, Remsen's Organic Chemistry.*

MATERIA MEDICA.—*White and Wilcox, Sollman, Miller's Laboratory Guide to Experimental Pharmacology and the Study of the Prescription,* The National Pharmacopœia, Hare, Thornton Dose Book, Wood, American Text-Book of Applied Therapeutics.

PATHOLOGY.—*Delafield and Prudden, Mallory and Wright Pathological Technique,* American Text-Book of Pathology, Ziegler's General and Special Pathology, Stengel, McFarland, Coplin, Green.

CLINICAL PATHOLOGY.—*Cabot on Examination of the Blood,* Emerson, Simon, Clinical Diagnosis; Boas, Magenkrankheiten, Vol. 1; Lenhartz; Ewing; Sahli; v. Jaksch; Hensel.

OPERATIVE SURGERY.—*Stimson, Bickham,* Bryant, Allingham, Zuckerkandl, McGrath Surgical Anatomy and Operative Surgery, Moynihan's Abdominal Operations.

MEDICAL JURISPRUDENCE.—*Draper,* Reese, Taylor.

NERVOUS DISEASES.—*Church and Peterson,* Dana, Gowers, Dercum, Gray, Mills.

PRACTICE OF MEDICINE.—*Edwards', Davis' Heart, Lungs and Kidneys,* Osler, Eichhorst, Leube's Differential Diagnosis, Strümpell, Allbutt.

SURGERY.—*International Text-Book of Surgery, Stimson, Fractures and Dislocations,* Fowler, Tillmanns, Dennis, Da Costa, American Text-Book of Surgery, Park, von Bergman, Scudder.

OBSTETRICS.—*De Lee's Notes,* Edgar, Hirst, Williams, Jewett, American Text-Book of Obstetrics, Lusk, Parvin, De Lee's Obstetrics for Nurses.

PHYSICAL DIAGNOSIS.—*Vierordt,* Musser, Butler, Von Leube, Sahli, Lefevre, Cabot.

DISEASES OF CHILDREN.—*Holt, Koplik,* Hatfield, American Text-Book of Children.

DISEASES OF THE EYE.—*Wood and Woodruff's Commoner Diseases of the Eye.*

DISEASES OF THE EAR.—*Gradle,* Diseases of the Nose, Pharanyx and Eye, Bacon, Dench.

'GYNECOLOGY.—*Dudley,* Buford, Webster, Kelly, Emmet, Montgomery, Reed.

LARYNGOLOGY.—*Coakley,* Kyle, McBride, Wright, American Text-Book of the Eye, Ear, Nose and Throat.

DERMATOLOGY.—*Stelwagon, Walker, Jackson.*

Etiology and Hygiene.—*Bergey,* Harrington, Rohe, Abbott, Egbert.

Bacteriology.—*McFarland,* Muir and Ritchie, Abbott, Parks.

Orthopedic Surgery.—*Ridlon and Jones,* Bradford and Lovett, Whitman.

Syphilis and Venereal Diseases.—*Schmidt, Keyes,* Taylor, Fuller, American Text-Book of Skin and Venereal Diseases, White and Martin.

Dietetics.—*Williams,* Hutchinson, Thompson.

The Alumni Library

The Alumni Library is situated on the fourth floor of Davis Hall. A description of the equipment will be found on page 51. The library is open from 9 to 5 o'clock daily. Each department of instruction is well represented in the library. There is a large number of reference books and dictionaries. All of the larger systems of Medicine and Surgery are at the command of the student, and the important recent works in all departments are added to the library as soon as they appear.

REQUIREMENTS FOR DEGREE.

To obtain the degree of Doctor of Medicine, the candidate must be of good moral character and must maintain an irreproachable moral standing while at the School; he must be at least twenty-one years of age; he must pay all fees in full; he must complete satisfactorily four full annual courses of lectures of eight months each, including all the topics listed as required; he must dissect the median half of the human body; he must be in attendance upon clinics for three years; he must secure satisfactory standing in all final examinations.

Final Examinations

Final examinations are held in required courses at the end of each semester. Second examinations are given in October and in February.

Students delinquent in two or more branches after the October examinations are required to take those branches a second time, and they may not elect studies that conflict with them. Such students will be classed as irregular.

Honors

To a few students elected by the Faculty because of uniformly good standing, honors will be awarded, and such students may be graduated Magna Cum Laude or Cum Laude.

To students who have uniformly good standing in required subjects and who do special work of an excellent character in any department, special honors will be awarded.

FEES AND EXPENSES

Tuition Fees

Matriculation Fee.—The student is required to pay at the time of his first registration a matriculation fee of five dollars, which is paid but once, is charged all students alike, and which is in no case refunded.

Annual Fee.—The annual fee is one hundred seventy-five dollars, due in installments as follows: Before October 2, $60.00; before January 3, $60.00; before April 3, $55.00. *Failure to comply with this regulation entails suspension from the quizz lists.* A discount of $15.00 is made when all fees and deposits for the year are paid before October 12.

Laboratory Fee.—Each student who uses a college microscope is charged a rental therefor as follows: In Histology and in Pathology, $2.00 a semester; in Bacteriology, for microscope having oil-immersion lens, $3.00 a semester.

Hospital Fees.—The hospital fees, ranging from five to twenty dollars a year, are announced in connection with the hospitals.

Examination Fee.—A fee of five dollars is charged for a special examination taken by a student out of course.

Deposits.—A deposit of ten dollars is required from each student on or before the first Monday in October to cover breakage and injury to apparatus in the laboratories, unnecessary damage to buildings, loss of instruments in laboratories and clinics. This deposit is refunded if no injury or loss occurs. Deductions to cover the loss will be made from the deposit of individual students, when it can be determined who has caused breakage or loss of apparatus or defacement of buildings; when it cannot be so determined, the loss or injury will be deducted pro rata from the deposits of all students.

Refunds.—No refund of tuition fees is made except on account of serious illness. A student withdrawing before the middle of a semester

who secures from the Dean a statement of honorable standing and from a physician a certificate of inability to remain in attendance will be allowed one-half the tuition fee for that semester. The matriculation fee is refunded in no case.

Assignment of Seats.—Students of the three upper classes may register and secure seats in the amphitheaters at the opening of the session, or they may do so at an earlier date by sending five dollars to the Registrar of the School.

The right is reserved to alter fees and to levy new fees without notice, as conditions may demand. Fees are payable in currency or in Chicago exchange, and drafts should be made payable to the Registrar.

Practitioners are welcome to attend lectures and clinics for a brief time; those attending single courses or laboratory courses through the year will be charged from fifteen to twenty-five dollars for each course; those taking all of the work of any one year will pay the same fee as regular students.

Board and Lodging.

Board and lodging vary in price from $3.50 to $6.00 a week. Rooms cost from six to ten dollars a month. A list of rooms and boarding places can be obtained at the Young Men's Christian Association or at the Registrar's office.

MISCELLANEOUS INFORMATION.

Location and Buildings

The Medical School is in Chicago, on Dearborn Street, between Twenty-fourth and Twenty-fifth Streets. Wesley Hospital adjoins it, connected by a covered corridor, and Mercy Hospital and St. Luke's Hospital are within short walking distance. The district surrounding furnishes an almost exhaustless supply of clinical material.

The buildings, Davis Hall and the Laboratory Building, were erected for the purposes of the School, and are comparatively new. A description of them is given on pages 47 and 48.

To Reach the College

Take the South Side Elevated Railroad to Twenty-sixth Street, or take the State Street cars to Twenty-fourth Street.

Gymnasium

The Gymnasium, on the fourth floor of Davis Hall, is equipped for most of the lighter floor-work. The hand-ball court is especially popular, and is in almost constant use. Classes in fencing have been organized.

The Young Men's Christian Association

The Young Men's Christian Association of Northwestern University Medical School was organized in 1892 and is connected with the Intercollegiate Department of the Chicago Association. Its members obtain the full privileges of any of the Association buildings in this city at sixty per cent of the regular rates.

The Association aims to maintain a high moral and religious tone in the School. It conducts a religious meeting once a week during the college year and weekly classes in Bible-study. Committees of the Association aid students in obtaining board and rooms. Connected with the Medical School Association is a very efficient employment bureau, conducted under the supervision of a general secretary. A canvass is made each summer and places found for students wishing to earn money during the medical course. For a list of officers of the Association of the Medical School see University Societies.

SPECIAL COURSES

The Hospital Quiz Class

Students who have made a careful review of the medical course are more successful in the competitive hospital examinations than are students who have not had such a review. To meet this condition a hospital quiz class under faculty supervision is conducted during the last twenty weeks before the examinations to furnish thorough reviews without sacrificing the required senior work.

Only members of the highest quarter of the graduating class are eligible to the quiz class. Every member of the quiz class since 1900 has secured a hospital appointment.

The Summer School

The Summer School meets an increasing demand for summer work. It supplies courses in medicine to students from institutions with less fortunate clinical facilities, to students of this School making special preparation for the competitive hospital examinations at the end of the course, and to students who have work to make up.

The courses of the Summer School are also well adapted to the need of practitioners. There is the best opportunity for practice in newer and more scientific methods of clinical diagnosis and pathology, and for study of experimental physiology, therapeutics, and surgery. The comparatively small number of students increases the value of summer courses.

Full credit is given for these courses so far as they cover the ground of the regular course of the college year.

Courses are given only when a sufficient number of students register for them. The courses of the Summer School are described in the articles under the several departments.

The Summer School begins June 3 and extends to August 1, covering the period of a half-semester. Registration must be made with the Registrar at the Medical School.

Training School for Nurses

Northwestern University School for Nurses, under the supervision of the Medical School, furnishes instruction in certain subjects, especially laboratory instruction, for students in the Training Schools of the affiliated hospitals, and for other persons properly qualified. The requirement for admission is a high school diploma.

The courses for nurses are separate from those of the medical students, but the laboratories and the facilities of The Medical School are freely available. The additional practical work for nurses is given in the hospitals under the immediate charge of the teaching force of the hospital. The diplomas for nurses are granted at the University Commencement.

FACULTY

The faculty of the School for Nurses includes many instructors connected with the hospitals and The Medical School.

The officers are as follows:

PROFESSOR WINFIELD SCOTT HALL....*Junior Dean of Medical Faculty, In Charge of Course of Study, Lecturer on Physiology and Dietetics*

SISTER MARY VERONICA.....*Principal of the Training School of Mercy Hospital and Superintendent of Nurses, Instructor in Ethics*

ARLETTA ELIZABETH BRODE.....*Principal of the Wesley Hospital Training School, Instructor in Ethics*

THE LAW SCHOOL

The Law School was founded in 1859, with a sum of money given by Thomas Hoyne; there being at the time but three similar schools west of the Allegheny Mountains. The first professor and dean was Henry Booth, 1859-1891. For many years the School was known as the Union College of Law, being under the joint control of the old University of Chicago and of Northwestern University, but when taken over wholly by Northwestern University in 1891 it assumed its present name.

Students from all parts of the country may obtain a thorough training in the various subjects of the law. The course of study is arranged so as to give the knowledge of the law that will be indispensable to students wherever they may practice. Graduates of the Law School now practice in nearly forty States and Territories. Special opportunities, however, are afforded for acquiring a knowledge of the law of Illinois, the peculiarities of which are pointed out in every course.

The School is located in Northwestern University Building, at the corner of Lake and Dearborn Streets, Chicago. This building was acquired and equipped in 1901-02, at a cost of nearly one million dollars, for the purpose of securing a permanent home for the departments of law, dentistry, and pharmacy. It is located near the center of the business district of Chicago and is easy of access from all residence portions of the city. The City, State, and Federal Courts are within a few blocks and afford students an opportunity to witness the practice of litigation in varied forms. The School occupies 24,000 square feet of space, divided into convenient lecture-rooms, offices, and library.

With the exception of the President, the names of the faculty are arranged, within each group, in the order of date of appointment to the Law School. The first group after the President includes those who have offices in the Law School building. The second group includes all other members who under the statutes of the University have seats in the Faculty as officials of government.

FACULTY

ABRAM WINEGARDNER HARRIS, Sc.D., LL.D.....*President*

JOHN HENRY WIGMORE, A.M., LL.B., LL.D.....*Professor of Law, and Dean of the Faculty*

CHARLES CHENEY HYDE,* A.M., LL.B....*Associate Professor of Law*
ALBERT MARTIN KALES, A.B., LL.B.....*Associate Professor of Law*
FREDERIC BEERS CROSSLEY, LL.B.....*Secretary of the Faculty and of the School, and Librarian*
CHARLES GEORGE LITTLE, A.B., LL.B.....*Associate Professor of Law*
HENRY SCHOFIELD, A.M., LL.B.....*Professor of Law*
LOUIS MAY GREELEY, A.B.....*Professor of Law*
ROSCOE POUND, A.B., Ph.D.....*Professor of Law*

SAMUEL ADAMS, A.B., LL.B.....*Professor in the Law of Pleading*
LEVI HARPER FULLER, B.S., LL.B..*Professor in the Law of Procedure*
MITCHELL DAVIS FOLLANSBEE, A.B., LL.B.....*Professor in the Law of Procedure and in Legal Ethics*
CHARLES BYRD ELDER, LL.B.....*Instructor in the Law of Judgments and Extraordinary Legal Remedies*
HENRY CLAY HALL, A.M., LL.B...*Instructor in the Law of Insurance*
EBENEZER WASHINGTON ENGSTROM, A.B., LL.B.*Instructor in Forensics*
HERBERT JACOB FRIEDMAN, A.B., LL.B.....*Instructor in the Law of Crimes and Criminal Procedure*

CHARLES CLARENCE LINTHICUM, LL.B.*Lecturer on the Law of Patents*
CHARLES ERNEST PICKARD, A.B.....*Lecturer on the Law of Trademark and Copyright*
CHARLES YOE FREEMAN, A.B., LL.B..*Lecturer on Corporation Practice*
DWIGHT ST. JOHN BOBB, A.M., LL.B.....*Lecturer on Public Service Corporations*
ALFRED WILLIAM BAYS, A.B, LL.B.....*Lecturer on the Law of Bankruptcy and on General Practice*
ALBERT KOCOUREK, LL.B.....*Lecturer on Jurisprudence*
ALBERT KEEP II, LL.B.....*Lecturer on the Law of Sales*

*On leaves of absence from January 7 to June 17, 1908.

THE LIBRARY

The library is well equipped for study and research. It at present comprises the United States Reports, the official Reports of all the States, the complete National Reporter System, partly in duplicate, the Lawyers' Reports Annotated, all of the official Illinois Reports in duplicate, statutes of all the States in the Union, a large collection of digests, encyclopedias and text-books, a collection of works on Jurisprudence and Legal Biography. Of the English Reports it possesses the complete Law Reports since 1865, substantially all the other regular Reports since the beginning of the Year Books, except those appearing in law journals, and the complete Statutes. It has also begun a collection of early historical legal literature, which is planned to include all such material not now elsewhere accessible in the libraries of the West.

The Gary Collection of Modern Continental Law, now numbering some 10,000 volumes on the law of the twenty-one European countries, as contained in statues, decisions, journals, and treatises, is not paralleled in scope by any other collection in the United States. As a source of investigation for Continental Law it will provide facilities hitherto wholly unavailable.

The Gary Collection of International Law includes nearly 2,000 volumes; when completed, it will include printed material relating to American International Law and Diplomacy not now available in the West.

The Gary Collection of Ancient, Oriental, and Primitive Law includes the Hindu, Mohammedan, Hebrew, Babylonian, Egyptian, Greek, Chinese, and Japanese systems, as well as the mediæval European materials, and will be invaluable to students of comparative law, politics, and history.

The Gary Collection of Roman and Civil Law numbers nearly 3,000 volumes, including the library of the late Moritz Voigt, of Leipzig, Germany, and contains many rare volumes not found in any other American library.

REQUIREMENTS FOR ADMISSION

Persons applying for admission as regular students must be at least eighteen years of age.

Graduates of a college, university, or technological institute may be admitted without examination upon exhibiting their diplomas.

Graduates of a high school or an academy maintaining a four years' course of study, of satisfactory grade, may be admitted without examination upon presenting a satisfactory certificate of the proper school authority.

Persons who have pursued a course of study equivalent to the four years' academic course may be admitted without examination upon the certificate of any authorized public officer, or of any proper authority of an institution of advanced learning.

All other applicants for admission must pass a satisfactory examination upon the subjects required for entrance to the College of Liberal Arts of this University. For these requirements see page 70.

Members of the Junior and Senior classes, in good standing in the College of Liberal Arts, may elect work in the course in Law which shall count toward graduation in both the College of Liberal Arts and the Law School, but the work elected cannot exceed one year's work in the Law School. Each election shall be subject to the approval of both Faculties. This provision enables a student to complete a course in the College of Liberal Arts and in Law in six years.

Advanced Standing

The requirements in regard to advanced standing are explained under the title Degrees, page 240.

Special Students

Persons not desiring to be candidates for a degree may pursue one or more courses as special students, provided they are qualified to pursue such courses to advantage. They will receive a certificate of all work done and may enter at any time as candidates for a degree, provided they were substantially qualified under the above requirements for admission as regular students at the time of first entering the school. No special student may take more than twenty-five term-hours of work in one year without special permission from the Dean.

Time for Entrance

Unless coming from another law school, no applicant will be admitted to the first-year class after the second week in January. Application for advanced standing must be made before November 1 in the year of entrance. Registration for the graduate or fourth year course must be made before October 1. All students are urged to enter at the beginning of the year. The disadvantages of late registration are embarrassing, especially to students who intend to practice law in Illinois.

Combined Courses

The conditions on which a student may combine a course in the College of Liberal Arts with a course in Law, and receive both the degree in Arts and the degree in Law in six years, are stated on page 131.

COURSES OF INSTRUCTION

The total number of semester hours offered for selection in this curriculum is one hundred twelve, the equivalent of fifty-six hours a week throughout the year. The courses being graded as carefully as possible between the three year-groups, no first-year student may take courses in the second or third year groups without special permission; and no second-year student may take courses in the third year-group, except Constitutional Law, Carriers, and Patents of Invention, without special permission. A third year student taking the courses of Conveyancing and Property III must already have taken the courses of Property I and II. Any regular student may take any course offered in the group of the year for which he is entered, or any course not already taken by him in a preceding year, subject to the rules of the Faculty respecting a maximum number of hours.

Schedule of Hours

The schedule of hours is so arranged that the courses are given in general as follows: first year courses, between two and five o'clock in the afternoon; second year courses, between nine and twelve o'clock in the morning; third year courses, between three and seven o'clock in the afternoon. The Practice Court is held in the evening at half-past seven.

Courses Counting for the Degree of LL.B.

First Year

FIRST SEMESTER

Introduction to the Study of Law.—Private reading, as described in Course A, Courses of Reading in Legal History, Biography, and Jurisprudence, page 229 Written examinations, with a credit of one term hour.

Legal Writing and Forensics.—Course I, as described on page 235. Written and oral exercises, with a credit of one term hour. Mr. Engstrom.

Contracts.—Three hours a week. Williston's Cases on Contracts. Professor Pound.

Torts.—Four hours a week. Ames' and Smith's Cases on Torts. Professor Wigmore.

PROPERTY I.—Two hours a week. Gray's Cases on Property, Vols. I, II. Personal Property; tenures and estates in real property; fixtures, profits, easements, covenants running with land, rents. PROFESSOR KALES.

CRIMES AND CRIMINAL PROCEDURE.—Two hours a week. Beale's Cases on Criminal Law. MR. FRIEDMAN.

SECOND SEMESTER

CONTRACTS (continued).—Three hours a week. PROFESSOR POUND.

TORTS (continued).—One hour a week. PROFESSOR WIGMORE.

PROPERTY I (continued).—Two hours a week. PROFESSOR KALES.

COMMON LAW PLEADING AND PROCEDURE.—Three hours a week. Ames' Cases on Pleading, 2d ed.; Andrews' Stephen on Pleading; practical exercises. PROFESSOR ADAMS.

MASTER AND SERVANT IN TORT.—One hour a week. Wambaugh's Cases on Agency. PROFESSOR WIGMORE.

DAMAGES.—One hour a week. Beale's Cases on Damages. PROFESSOR SCHOFIELD.

Second Year

FIRST SEMESTER

LEGAL WRITING AND FORENSICS.—Course II, Moot Court, as described on page 236. Oral and written work, once a week, with a credit of one term hour. MR. ENGSTROM.

LEGAL HISTORY AND BIOGRAPHY.—Prescribed and optional private reading, as described in Courses B, BA, and BB, on page 229. Written examinations, with a credit of one term hour for each course.

EVIDENCE.—Two hours a week. Wigmore's Cases on Evidence. PROFESSOR WIGMORE.

TRUSTS.—Three hours a week. Ames' Cases on Trusts. PROFESSOR POUND.

AGENCY.—Two hours a week. Wambaugh's Cases on Agency. PROFESSOR LITTLE.

COMMERCIAL PAPER.—Three hours a week. Ames' Cases on Bills and Notes. PROFESSOR GREELEY.

EQUITY JURISDICTION.—Three hours a week. Ames' Cases on Equity Jurisdiction. PROFESSOR SCHOFIELD.

PROPERTY II.—Two hours a week. Gray's Cases on Property, Vols. III, IV. Acquisition of real property inter vivos, including deeds, covenants, etc.; devolution of property at death, including descent, wills, administration, etc. PROFESSOR KALES.

EQUITY PLEADING AND PROCEDURE.—Two hours a week. Thompson's Cases on Equity Pleading; and practical exercises. PROFESSOR ADAMS.

SECOND SEMESTER

EVIDENCE (continued).—Two hours a week. PROFESSOR WIGMORE.

PROPERTY II (continued).—Two hours a week. PROFESSOR KALES.

EQUITY JURISDICTION (continued).—Three hours a week. Ames' Cases on Equity Jurisdiction. PROFESSOR SCHOFIELD.

QUASI-CONTRACTS.—Three hours a week. Keener's Cases on Quasi-Contracts. PROFESSOR POUND. Given in 1907-08, and alternate year.

SALES OF PERSONALTY.—Three hours a week. Williston's Cases on Sales. MR. KEEP.

INSURANCE, FIRE AND LIFE.—Two hours a week. Wambaugh's Cases on Insurance. MR. HALL.

PERSONS, DOMESTIC RELATIONS.—Two hours a week. Smith's Cases on Persons. PROFESSOR KALES.

PUBLIC SERVICE CORPORATIONS.—Railroad, Telegraph, Gas, Water, Warehouse, and similar Services. One hour a week. Beale's and Wyman's Cases on Public Service Corporations. MR. BOBB.

LEGAL WRITING AND FORENSICS.—Moot Court, once a week. MR. ENGSTROM.

Third Year

FIRST SEMESTER

CORPORATIONS.—Two hours a week. Smith's Cases on Corporations. PROFESSOR LITTLE.

PROCEDURE AND PRACTICE IN ILLINOIS.—Two hours a week. PROFESSOR FOLLANSBEE.

INTERNATIONAL LAW I.—Two hours a week. Scott's Cases on International Law. PROFESSOR HYDE.

INTERNATIONAL LAW II.—American Treaties and Diplomacy; topics for research. Two hours a week. PROFESSOR HYDE. Omitted in 1907-08.

SURETYSHIP.—Two hours a week. Ames' Cases on Suretyship. PROFESSOR LITTLE.

JUDGMENTS AND AUXILIARY LEGAL REMEDIES, Attachments, Garnishment, Execution, etc.—One hour a week. Rood's Cases on Attachments and Judgments. MR. ELDER.

CONSTITUTIONAL LAW.—Three hours a week. Thayer's Cases on Constitutional Law.—PROFESSOR SCHOFIELD.

PROPERTY III.—Two hours a week. Gray's Cases on Property, Vols. V, VI. Conditional and future interests; restraints on alienation; fraudulent transfers; registration of deeds; conversion and election; joint ownership; curtesy and dower; homestead. PROFESSOR KALES.

CONVEYANCING.—One hour a week. Drafting exercises, study of selected abstracts, and lectures on practice. PROFESSOR GREELEY.

CONFLICT OF LAWS.—Three hours a week. Beale's Cases on Conflict of Laws. PROFESSOR HYDE.

CODE PLEADING AND PROCEDURE.—Two hours a week. Hinton's Cases on Code Pleading. PROFESSOR POUND.

ANALYTICAL JURISPRUDENCE.—One hour a week. MR. KOCOUREK.

GENERAL JURISPRUDENCE AND HISTORY OF LAW.—Prescribed private reading; Courses C, 1, 2, 3, 4, as described on page 231. Written examinations, with a credit of one semester-hour for each course.

LEGAL HISTORY AND BIOGRAPHY.—Prescribed and optional courses as described under the reading for the third year on page 229.

PRACTICAL PROBLEMS IN CONTEMPORARY LEGISLATION.—Study, reports, and discussions. Once a week during the second term; but the topics are assigned at a preliminary meeting held in October from subjects described on page 237. PROFESSOR WIGMORE.

PRACTICE COURT.—Two hours a week, at a single session. Causes prepared and conducted through all details of litigation, by students as attorneys and counselors, under the direction of a professor as judge. PROFESSOR FULLER.

PATENTS AND INVENTIONS.—The course consists of three series of lectures: the first is open to all students; the second and third are open to students of the second and third years, and to special students, but cannot be taken without the preliminary work of series I. The number of lectures in the three series is equivalent to two hours a week throughout the year or four semester-hours. Parts II and III will not be given unless at least twenty special students apply for them before October 15. PROFESSOR LINTHICUM.

I. GENERAL SURVEY.—Five lectures.

II. PATENT SOLICITING.—Twenty lectures, with practical exercises.

III. PATENT LAW AND PRACTICE.—Forty lectures.

SECOND SEMESTER

CORPORATIONS (continued).—Two hours a week. PROFESSOR LITTLE.

CORPORATION PRACTICE.—One hour a week. Practical exercises in conducting corporate legal business, drafting instruments, etc. MR. FREEMAN.

BANKRUPTCY.—Two hours a week. Williston's Cases on Bankruptcy. MR. BAYS.

CONSTITUTIONAL LAW (continued).—Two hours a week. PROFESSOR SCHOFIELD.

CARRIERS.—Three hours a week. McClain's Cases on Carriers; Beale's Cases on Carriers. PROFESSOR GREELEY.

Conveyancing (continued).—One hour a week. Professor Greeley.

Mortgages.—Two hours a week. Kirchwey's Cases on Mortgages. Professor Greeley.

Roman Law.—Two hours a week. Pound's Readings in Roman Law. Given in 1907-08, and in alternate years. Professor Pound.

Practice Court (continued).—Two hours a week, at a single session. Professor Fuller.

Property III (continued).—Two hours a week. Professor Kales.

Code Pleading and Procedure (continued).—Two hours a week. Professor Pound.

Municipal Corporations.—One hour a week. Smith's Cases on Municipal Corporations. Professor Schofield.

Partnership.—Two hours a week. Ames' Cases on Partnership. Professor Little.

Extraordinary Legal Remedies.—Mandamus, Quo Warranto, Habeas Corpus, etc.—One hour a week. Roberts' Cases on Extraordinary Legal Remedies. Mr. Elder.

Jurisdiction of Federal Courts.—One hour a week. Professor Schofield.

Original Research and Thesis.—Credit not to exceed two semester hours is given. See course under Special Training in Practice of Law and in Legal Writing, page 233.

Courses of Reading in Legal History, Biography, and Jurisprudence

A credit of one term hour will be given on passing the examination in each of the following courses. Those courses required for graduation are listed on page 241 under requirements for degrees and are here designated as prescribed.

Students are recommended to own the books named, if they can afford to purchase them, and to do the required reading during the summer vacation. But the Law School will provide a sufficient number of duplicate copies of the books named for the prescribed reading.

An examination will be held at the beginning of the first year and at the end of the second semester, in all of the courses, and, for Course A, also at the end of the first semester; but notice must be filed in the Secretary's Office at least two days before the announced date of examination by each student intending to take it. A student failing at any examination may take the next regular examination, if he has reviewed the work. A student may take any of these examinations at any time after entering the School, no matter to what class he belongs.

No lectures are given in any of these Courses, except C1, C2, and C4, the lecture courses of Jurisprudence, International Law, and Roman Law; the work is done by private study. But the courses are under the general supervision of the Faculty, who will give advice on the desired subjects of study.

Schedule of Courses

FIRST YEAR

A. Introduction to Legal History and the Study of Law.—Materials for prescribed reading: (a) Blackstone's Commentaries, any edition: Introduction, Sections 1-4; Book I, Chapters 1, 2, 5, 9; Book III, Chapters 3, 4, 5, 6, 7; Book I, Chapters 11, 12; Book III, Chapters 17-19, 20-24, 25, 26, 27; Book IV, Chapters 19-24, 25, 27, 28, 29, 32; Book II, Chapters 4, 5; Book IV, Chapter 33. (b) Woodruff's Introduction to the Study of Law. (c) Wambaugh's Study of Cases. Credit, one semester hour. *Prescribed.*

SECOND YEAR

B. History of the Bench and Bar.—Materials for reading: Campbell's Lives of the Chancellors, later editions, Vols. VIII-X, Erskine to Brougham inclusive; excepting cc. 181, 186, 189, 194, 199, 201, 203, 205, 209, 228, 229; Campbell's Lives of the Chief Justices, Vol. III, cc. 30-40, Mansfield; the two essays of Zane and Veeder, in Select Essays on Anglo-American Legal History, Vol. I, edited for the Association of American Law Schools, 1907. Credit, one semester hour. *Prescribed.*

BA. History of the Bench and Bar.—Materials for reading: (a) Campbell's Lives of the Chancellors, Vols. VI, VII, Hardwicke to Loughborough inclusive; excepting cc. 132, 133, 134, 146, 147, 149, 150, 151; (b) Campbell's Lives of the Chief Justices, Vol. IV, Kenyon to Tenterden inclusive; excepting c. 50; (c) Any one of the following English or any two of the following American works: Arnould's Life

of Denman; Hardcastle's Life of Campbell, Autobiography; O'Brien's Life of Russell; Atlay's Victorian Chancellors; Life and Letters of Joseph Story; Harvey's Reminiscences, or Lodge's Life, of Daniel Webster; Brown's Life, or Neilson's Memoirs, of Rufus Choate; Memoirs and Letters of James Kent; Memoirs of Sargent S. Prentiss; Magruder's Life of John Marshall; Caton's Bench and Bar of Illinois; Carson's History of the Federal Supreme Court. Credit, one semester hour. *Optional.*

BB. History of the English Legal System.—Materials for reading: (a) Pollock and Maitland's History of the English Law, Volume 1; or, Holdsworth's History of English Law, Volume 1; (b) any one of the following works: Pollock and Maitland's History, Volume 2; Holmes' The Common Law; Stephen's History of the Criminal Law; Select Essays on Anglo-American Legal History, Volumes 1, 2. Credit, one semester hour. *Optional.*

THIRD YEAR

At least one of the first four of the following is prescribed:

C1. Jurisprudence.—Materials: any one work under each of the following two divisions: (a) Analytical Jurisprudence: Austin's Jurisprudence; Holland's Jurisprudence; Salmond's Jurisprudence; Terry's Principles of Anglo-American Law. (b) Historical Jurisprudence: Maine's Ancient Law; Fustel's Ancient City; Lee's Historical Jurisprudence; but a credit for work done in the course on Analytical Jurisprudence, in the general curriculum, will be accepted in place of this Course C, 1. Credit, one semester hour.

C2. International Law.—Materials as prescribed in the regular course lectures, International Law 1. Credit, one semester hour.

C3. Roman Law.—Materials: Any one of the following texts: Gaius' Institutes, edited by Poste; Justinian's Institutes, edited and translated by Moyle; Pound's Readings in Roman Law; but a credit for work done in the course on Roman Law, in the general curriculum, will be accepted in place of this Course C, 2. Credit, one semester hour.

C4. History of Germanic Law.—Materials: Any one of the following works: Heusler's Institutionen des deutschen Rechts; Brunner's Deutsche Rechtsgeschichte; Brissaud's Manuel d' historie du droit français. Credit, one semester hour.

Graduate Fourth Year Courses Counting for the Degree of Juris Doctor

The credit in each course is one semester-hour. It is awarded upon the basis of a written examination and a thesis, essay, or report. Any third year lecture courses not previously taken, and reading courses chosen from the following list:

History and Biography of the Bench and Bar.—To include the reading of all the materials named in Course BA, under courses of Reading in Legal History; and an essay on a selected topic.

History of the English Legal System.—To include the reading of all the materials named in Course BB, under courses of Reading in Legal History; and an essay on a selected topic.

History of American Law.—A study of the history of some subject in the law of one or more jurisdictions of the United States.

Analytical Jurisprudence.—To include the reading of all the materials named in Course C1, a, under courses of Reading in Legal History; and an essay on a selected topic.

Primitive Law.—To include the reading of all the materials named in Course C1, b, under courses of Reading in Legal History; and an essay on a selected topic.

History of Roman Law.—A study in the history of some topic in Roman Law; the lecture course on Roman Law, or its equivalent, must precede.

History of Germanic Law.—To include the reading of all the materials named in Courses C4, under courses of Reading in Legal History; and an essay on a selected topic.

Modern Continental Law of Europe.—A study of some subject of contemporary law in one or more European Continental countries.

Comparative Legislation.—A study of some problem of modern legislation in two or more countries of Europe or America.

Comparative History of Legal Ideas.—A study of the development of some legal idea or transaction in different independent systems, European and non-European.

Legal Bibliography.—The preparation of a topical bibliography on some one of the branches of law, or a substantial part of it, named in these courses.

Ecclesiastical Law.—A study of some topic of ecclesiastical law, European or American.

Constitutional and Administrative Law of Continental Europe.—A comparative study of some constitutional or administrative principle in the countries of Continental Europe.

Legal Ethics.—A study of some problem of legal ethics.

Principles of American Law.—A study of some doctrine or rule of law in one or more jurisdictions of the United States.

Parliamentary Law.—A study of some rule of parliamentary law or practice, as applied today in legislative, municipal, corporate, and other deliberative bodies.

Courses Not Counting for a Degree

Trade-Marks and Copyrights.—Six lectures. Mr. Pickard.

General Review.—Five hours a week for a month; given twice, in September and June, prior to the State examination for admission to the Bar. Mr. Bays.

Legal Ethics.—Five lectures. Professor Follansbee.

Patents.—Five lectures. Professor Linthicum.

Training in Legal Writing and in the Practice of the Law

As a part of the systematic instruction in the body of the law, represented in the foregoing curriculum, an effort is made to provide adequate training in the practical use of legal knowledge and discipline, as well as in certain important details of legal writing and speaking which help materially to equip the accomplished lawyer. The various branches of work directed to this end are as follows:

Pleadings and Other Instruments.—In the courses on Common Law Pleading, Code Pleading, and Equity Pleading, in addition

to the study of the legal sources, the student is given exercises in the drafting of the various kinds of pleadings. In Corporations the class is formed, during the second term, into two corporations, which organize, elect officers, issue stock, enlarge capital, keep books, consolidate, and do various other acts of corporate business which call for the drafting of instruments and otherwise familiarize the student with the modes of using the legal knowledge required. In the other courses, particularly Commercial Paper, Carriers, Insurance, and the like, attention is paid to the study of forms of instruments in common use.

Conveyancing.—In the course on Conveyancing, the chief material of the work consists in a series of selected abstracts of title, some fifteen in all, representing the greatest variety of documents and proceedings involving property rights. A separate copy of each abstract is placed in the hands of every member of the class, and a detailed study is made of the various matters of form and substance from the conveyancer's point of view, and with regard to the laws of different States. Thorough work in this course ought to equip the student as a practical conveyancer at the time of his entering upon his profession. No one may take this course who has not already taken the courses Property I and II.

Trial Practice.—In the several courses of lectures on Procedure and Practice a systematic and detailed survey is taken of the rules of law. In the course on Evidence, the class is given an auxiliary drill in the use of the rules. In the Practice Court an opportunity is given to the third-year students to become practically familiar with all these rules by the personal application of them in litigation managed by the student himself. The Court's sessions are held weekly, on Thursday evenings, for two hours. During each session from one to three cases are tried, with and without a jury; and other cases are disposed of in various aspects. In the meantime, between the sessions, numbers of causes are being prepared and advanced from stage to stage by the student-attorneys in charge. While the proceedings are dispatched at the hearings by the respective attorneys, all other members of the class are required to attend, make notes and to report on the work being done, so that each obtains benefit from what is done in his presence by others. A faithful observance of the work of this course ought to give the graduate such experience in using legal knowledge that will assist him materially to start in his profession with greater readiness and practical facility. The systematic pursuit of such work under an experienced instructor obtains for the student the same results as a period of desultory service in a law office, and is more ecomonical in time and more thorough and accurate in quality. A copy of the printed Rules of the Practice Court will be mailed to any one upon request.

Legal Tactics.—For the past five years, on every Monday evening until April, an address has been given, by some well-known member of the Bar, upon some topic of practice in which he had not special experience, and in which the communication of personal experience has been of special value as a guide to others. This course has been of particular value to young practitioners already at the Bar. It will be repeated with some variations in 1908-09. The list of names with addresses of the speakers are published in the August-October number of the Quarterly Bulletin of the Law School. A list of lectures as announced for 1907-08 may be found on page 57 of this catalogue.

Theses.—It is the desire of the Faculty to encourage original research by students. Any member of the third-year class may therefore obtain credit to an amount not exceeding two semester hours by presenting a satisfactory thesis upon some legal topic approved by a member of the Faculty before December 1st. The thesis must be presented on or before May 15th of the year in which the student expects to graduate; it must be printed on the typewriter or otherwise, and is to be kept permanently in the school. The work should be begun not later than October.

Editorial Work.—The work of editing and digesting the opinion and record of a decided case for the use of the profession is of great value in cultivating the skill required for preparing briefs and analyzing the value of a precedent. Each year not more than seven members of known ability are appointed from the second and third-year classes as Associate Editors of the *Illinois Law Review*, and have charge of digesting the manuscript decisions of the Appellate Court.

In 1907-08, the Associate Editors were: Messrs. Robert O. Butz, Alexander P. Lindsay, Cecil Barnes, and William Dean of the class of 1908, and Elmer M. Liessmann of the class of 1909.

Legal Writing and Forensics

The function of a lawyer, as a persuasive adviser and leader of men, needs for its development some training in oral argument and debate, use of the voice, conduct of meetings, and the like. This instruction has been consolidated into a graded course continuing throughout the three years and is required for graduation.

FIRST YEAR

Ia. Voice Training; October and later; exercises in sections of twelve or fifteen, once a week.

Ib. Legal Argumentation and Briefs; November to April, inclusive; once a week at 3:45 p. m.; lectures on Argumentation, accompanied by individual exercises in Oral Forensics and Brief-writing. subject to private correction and public criticism by the instructor.

For work done in courses Ia, and Ib, combined, a credit of one semester hour is given.

SECOND YEAR

II. a. Moot Courts.—In the second year a Moot Court is held once a week from November 1 to May 1, at 1:45 p.m. The second-year class is divided into two sections, A and B, each section to meet on alternate weeks. The work consists of the preparation and delivery of arguments and opinions of law on statements of facts assigned beforehand. All statements of facts are to be delivered to the counsel in the case by October 1. Each professor presides at three cases consecutively. The chief counsel, two on each side, hold a conference with the Instructor in Forensics four weeks before the day set for argument at an hour appointed on the Bulletin Board; at this conference each side presents, in separate consultation, an outline of the proposed argument, in the form of brief propositions without citation of authorities, and the instructor makes such criticism and revision as may seem desirable. One week beforehand the counsel on each side post on the official bulletin board a copy of their final brief, with citation of authorities, in type-writing, or plain hand-writing on legal cap paper, and hand another copy to the opposing side. On the day of argument, a professor presides as judge, with two members of the section as associate judges. Each attorney assigned is allowed a period for argument in chief. All the other members of the same section attend, and each member, not assigned as counsel or judge, makes an argument, not to exceed five minutes, in at least every other case, *i. e.*, at least once every four weeks. The instructor in Forensics then makes such criticism as may appear necessary and the presiding judge then does the same. An opinion is written by the associate judges and filed at the Secretary's office not later than one week after the date of argument. The mark of each member of the section is determined by his work as counsel, assigned and unassigned, and as judge.

No student shall be recommended for a degree, except by unanimous vote of the Faculty, who has not satisfactorily done the work of this course; except that persons entering the third-year class from another school may by vote be excused from this work. Two semester hours of credit are given.

II. b. Public Debate.—A student entering the preliminary contests for the Towle Prizes for Public Speaking in April, and being

selected for the second preliminary and taking part therein, may receive credit. No student shall be eligible for this contest who has not taken the work of Ia and Ib, or the equivalent in another school. One semester hour of credit is given.

THIRD YEAR

III. a. Legal Advice Clubs.—All third-year students who are not assigned to the Legal Aid Society are permitted to enter Legal Advice Clubs, formed by voluntary selection on or before October 10, supplemented by assignments to vacancies by the Secretary of the School; each club to contain not less than four nor more than six members, and to elect a Secretary. Difficult cases arising in actual practice, sent in for advice by alumni or by other practitioners, will be submitted to the Clubs in rotation as the cases come in. On twenty-four hours' notice to the secretary of the Club, the Club is to meet the Dean or a professor specially in charge, at 3:15 p. m., in his office, and to discuss the questions involved; a written opinion, citing authorities, is to be handed the professor specially in charge within seven days or within such other time as may be agreed upon. For work done in Course IIIa, a credit of one term hour will be allowed each member of a club that has furnished not less than eight cases in the year.

III. b. Legal Aid Society.—After October 1 not more than ten students are assigned for practical office and trial work as assistants in the Chicago Legal Aid Society, University Branch; the assignments are made from those who have filed their names with the Secretary of the School, in order of the time of filing and in order of rank in scholarship, no student having grade C in more than one course being eligible for assignment. The number of hours of work from each person is determined by agreement with the Superintendent of the Society. In 1907-08 the usual arrangement was for each student-attorney to give one or two half-days a week to the work of the Society.

Course in Practical Problems in Contemporary Legislation

This course is open only to students of the third-year class who have attained not less than an average of grade B for the work of the first two years. The method of conducting the course will follow closely that of the German Seminar. Each member of the course

after selecting his topic for research will be required, with the other members, to meet informally, from time to time, the instructor to whom the section has been assigned for the purpose of discussion and criticism. In other respects he will pursue his work independently and make a written report, to contain an outline of the reading or other form of study, together with his own conclusions thereon.

The Faculty regulation for the course in Contemporary Legislation is as follows:

"An advanced, or seminar, course will be offered, in the second term of the year, to be known as 'Practical Problems in Contemporary Legislation.' The course will count as one term-hour of credit, and will be given in sessions of one hour each week for the term, each session to be in the nature of a conference, of one hour or more; the conference to consist of a report by one or more members of the class, followed by criticism from the other members and the instructor. A list of select topics, not less than twenty-five in all, is to be posted on the Bulletin Board by October 15, and therewith a short reference-list for each topic, to consist of not less than four principal citations to the appropriate material. Each member of the Faculty will for this purpose furnish to the instructor, before October 15, a list of suitable topics in his branch of the law, with the necessary references. The topics will be assigned to the members of the class according to their preferences, or otherwise as the instructor may determine; for this purpose all persons desiring to take the course must register with the Secretary before October 15, and the topics will be assigned at a preliminary meeting called as soon thereafter as may be feasible. Each member will be expected to make a thorough study of the available materials under his topic. He will then at the conference present a short written report of the nature of the problem proposed, remedies, and his conclusions thereon, accompanied by a bibliography of the materials consulted. This short report must be circulated in manifold, among all members of the course one week beforehand. A more extended report or essay, covering all details, may be filed with the instructor at some later time. The number of members of the course is limited to sixteen. An excess of applications over this number will be apportioned according to some plan to be settled between the instructor and the applicants. Each member will have but one topic assigned to him, and will make his report at such time after February 1 as may be determined by mutual agreement at the preliminary meeting in October." *One semster hour.*

PRIZES, HONORS, AND SCHOLARSHIPS

Scholarships for Students.—Ten assistant librarians and monitors are appointed annually. These receive one hundred twenty-five

dollars each in compensation for their services. Applications for appointments should be addressed to the Secretary of the Law School.

The Towle Prizes.—A first prize of $100, and a second prize of $50, the gift of Henry Sargent Towle, Esq., Chairman of the Law School Committee of the Board of Trustees, will be awarded to the students who shall, in public competition, be adjudged most proficient in debate. In 1906-07, the Towle Prize of $100 was awarded to Alexander Pitcairn Lindsay, A. B., of Pittsburg, Pa., a member of the second-year class, and the Towle Prize of $50 to John Lewis Gust, Ph.B., of Mitchell, So. Dakota, a member of the first-year class. The question debated concerned the right of the Federal Government to prevent, by treaty with Japan, a state or city from segregating all Japanese pupils in the public schools.

The Follansbee Prize.—A prize of $50, the gift of Mitchell Davis Follansbee, Esq., will be awarded to the writer of the best thesis on some subject relating to Legal Ethics. The Follansbee Prize was not awarded in 1906-07.

The Hyde Prize.—This prize, the gift of Charles Cheney Hyde, Esq., consists of the interest on a fund of $700, and is awarded not oftener than once in two years to the writer of the best thesis on some subject of International Law. The Charles Cheney Hyde Prize was not awarded in 1906-07.

The MacChesney Prizes.—A first prize, to consist of a framed etched or engraved portrait of one of the distinguished American or English jurists named on page 230, to be selected by the prize-winner, and a second prize, to consist of the complete works of one of the distinguished American or English legal authors named on page 230, to be selected by the prize-winner, offered by Nathan William MacChesney, Esq., will be awarded to those of the second or third-year classes who shall submit before June 1 in each year the best paper or essay on some topic connected with the subjects of Courses B, BA, BB, and C, in the Courses of Reading on Legal History, Legal Biography, and Jurisprudence. The prizes will be awarded by a committee consisting of the Dean of the School, the Editor-in-Chief of the *Illinois Law Review,* and one other person to be selected by them; and the successful papers will be published in the *Illinois Law Review.* The MacChesney Prizes were not awarded in 1906-07.

The Callaghan Prize.—A prize of $50 in books, to be selected from their own publications, the gift of Messrs. Callaghan and Com-

pany, of Chicago, will be awarded annually to the member of the graduating class having the best record in scholarship for the entire course. In 1907 the Callaghan Prize was awarded to Samuel Arthur Strauss, of Chicago, with honorable mention to James Jackson Forstall, A.B., of Chicago.

The Gage Prize in Debate.—Students in the Law School may complete for the Gage Prize as described on page 144.

Oratorical Contest of the Northern Oratorical League.—Students of the Law School who have completed no more than four years of undergraduate study are eligible to compete for appointment as representatives of the University in the contest of the Northern Oratorical League. For further information see page 151.

REQUIREMENTS FOR DEGREES

All degrees are conferred at the general University Commencement. On this occasion all candidates for degrees are required to present themselves in person, the Oxford cap and gown being worn as the official dress.

Bachelor of Laws

The degree of Bachelor of Laws will be conferred by the Trustees of the University upon students who are recommended by the Faculty of the School as being of fit character and as having complied with the requirements.

Grades of Scholarship.—Four grades are given: A, excellent; B, satisfactory; C, unsatisfactory; D, failure. A student may not count a course in which he obtains grade C, unless he obtains grade A in another course or courses of equivalent amount; and except that he may count courses in which he obtains grade C to the extent of one-sixth of the total work required to be done by him in this School for graduation.

Length of Attendance.—Regular attendance for three years is required of all students, with the following exceptions: (1) students who have obtained credit in law for one year, either in a college or a law school in good standing, may obtain a degree in two years; (2) students who have satisfactorily completed two years' study in a law school in good standing may obtain a degree in one year; (3) students who have satisfactorily completed one year's study in a law school in good standing, and who have also obtained credit in

law for one year in a college or law school in good standing, may become candidates for a degree in one year by obtaining special permission from the Dean.

All applications for advanced standing must be presented before November 1 of the applicant's year of entrance.

Candidates for a degree must register for work amounting to at least ten hours a week for each year.

Course of Study.—All candidates for a degree must pass examinations in courses amounting to sixty-six term hours, the equivalent of courses of study of eleven hours a week for three years; provided that in reckoning the total number of term-hours required for graduation there must be included at least ten hours of credit obtained in each term of the third year.

Persons who have satisfactorily completed a two-years' course of study in a law school in good standing may be given credit for this work and be excused from no more than one-half of the examinations above required.

Persons who have satisfactorily completed less than two years' study of law in a college or law school in good standing, may be given credit for this work and be excused from these examinations to such extent as shall be determined in each case by the Dean. The specific subjects in which such credit may be given will be determined by the Secretary at the time of admission.

Additional Requirements.—(1) The three-year course must have been completed with an average grade not less than C in the prescribed courses of Reading in Legal History, Biography, and Jurisprudence. The prescribed courses are Course A, Course B, and Course C1 or C2 or C3 or C4. A student entering with advanced standing may be excused from Course A, and a student who, in a college or in a law school, has already obtained credit for work equivalent to Course C1, C2, C3, or C4, accredited in this School, may be excused from Course C. (2) The three-year course in Forensic Writing and Speaking must be completed. A student entering with advanced standing who has not taken equivalent work elsewhere is subject to the remaining requirements applicable to the class which he enters, except that a candidate for a degree in one year may be exempted from specified parts of the work, or may be required to substitute the second year for the third year work.

Master of Laws

The degree of Master of Laws will be conferred on the completion of a course to be announced in the Bulletin of the Law School for May, 1908.

Juris Doctor

The degree of Juris Doctor will be conferred under the following conditions: The candidate

(a) Must present a diploma of the degree of A. B., or its equivalent, from the Faculty of the College of Liberal Arts of this University, or of some other in which the requirements are substantially equivalent, or a certificate showing the completion of at least two years' work under such Faculty, and including at least one course each in Latin, French, and German;

(b) Must have obtained the degree of Bachelor of Laws in this University, or in one whose requirements are substantially equivalent;

(c) Must obtain credit in the courses of the fourth or graduate year to the amount of twenty term hours, of which not more than ten are to be obtained in the lecture courses and not less than ten in the reading courses; but in the reading courses the work done in any one of the courses may be given a credit not to exceed five hours, or in any two or any three of the courses a credit not to exceed seven hours, provided two members of the Faculty so certify.

Candidates must register on or before the first Monday in October of the year of candidacy; they must pay half the fees of a special student for the lecture courses, the library fee of alumni, and a diploma fee of twenty dollars.

Master of Arts or of Science

The Master's degree in Arts or Science will be conferred under the following conditions:

A graduate of the College of Liberal Arts of this University, or of some other in which the requirements for the Bachelor's degree in Arts or Science are equivalent to the requirements for the same degree at this University, may obtain the Master's degree at the same time with the degree of Bachelor of Laws by pursuing, with the sanction of the Faculty of Liberal Arts, advanced work in subjects approved by that Faculty, and obtaining credit in such work to the amount of twelve semester-hours; and by presenting a thesis on an approved topic. The courses of study may, in part or entirely, deal with legal subjects; but courses of legal study, in order to count for the degree, must be (*a*) of an advanced nature; (*b*) not otherwise counted for the degree of Bachelor of Laws; (*c*) pursued under the direction of a member of the Faculty of the Law School. Students in law, intending to become candidates for the Master's degree, must register for the same in the College of Liberal Arts and in the Law School on or before the first Monday in October of the year in which

they expect to graduate, and must pay the diploma fee of ten dollars. The Master's degree is open upon the same terms to graduates of the Law School who register before the October next following the completion of their professional course.

The following subjects have been approved by the Faculty of the College of Liberal Arts, and work therein may be counted for the Master's degree: CONSTITUTIONAL LAW, INTERNATIONAL LAW, ADMINISTRATIVE LAW, ROMAN LAW, JURISPRUDENCE, LEGAL HISTORY.

FEES AND EXPENSES

These rates of tuition apply only to students registered after June 1, 1907.

REGULAR TUITION FEE.—The tuition fee for regular students is one hundred twenty-five dollars a year, payable in three installments of forty-five and forty dollars each, October 1, January 10, and March 31. A rebate of five dollars is allowed to students who pay the entire tuition in advance October 1.

MATRICULATION FEE.—In addition to the tuition fee, in all cases, a matriculation fee of five dollars is charged, payable once only, upon entering the School.

SPECIAL COURSE FEES.—Special students are charged at the rate of six dollars for each hour of class-room work for a semester; candidates for the degree of Juris Doctor are charged three dollars for each hour of class-room work for a semester and a library fee of one dollar per year. The fee for the course in Patent Law is twenty-five dollars. The fee for the course in General Review is ten dollars to members or graduates of the School; to all others the fee is fifteen dollars.

DIPLOMA FEE.—A fee of ten dollars is charged all persons taking the degree of Bachelor of Laws and a fee of twenty dollars is charged all persons taking the degree of Juris Doctor.

THE SCHOOL OF PHARMACY

The School of Pharmacy was incorporated in 1886 under the name of the Illinois College of Pharmacy, and was made a department of the University during the same year. In 1891 the name was changed to Northwestern University School of Pharmacy. The work of the school is carried on in the University Building at Lake and Dearborn Streets, Chicago. It is a member of the American Conference of Pharmaceutical Faculties and its graduates are given recognition under the pharmacy laws of all States in which graduation from recognized schools of pharmacy is demanded by law as a prerequisite for license to practice pharmacy.

The rooms occupied by the School include six large laboratories, two lecture rooms, balance rooms, library and museum, and two students' rooms, all newly furnished. The laboratories are: the qualitative laboratory, with accommodations for three classes of seventy students each; the quantitative laboratory, with accommodations for three sections of thirty-six students each; the laboratory for botany, microscopy, and pharmacognosy, with accommodations for six sections of forty-eight students each; the manufacturing laboratory, with accommodations for four sections of seventy students each; the laboratory for organic chemistry, with accommodations for four sections of twenty-eight students each; and the dispensing laboratory, with accommodations for six sections of thirty-six students each.

The Library contains about one thousand bound volumes, all of permanent value, including complete sets of the Archiv der Pharmacie, the Proceedings of the American Pharmaceutical Association, and the British Pharmaceutical Journal. It also contains the Centralblatt from 1870 to date, and Berichte der Chemischen Gesellschaft from 1868 to date. It also contains, complete from 1893 to date, the Berichte der Pharmaceutischen Gesellschaft, Zeitschrift für anorganische Chemie, Zeitschrift für analytische Chemie, the Journal of the London Chemical Society, the Archiv für Hygiene, Neuste Erfindungen und Erfahrungen, Pharmaceutische Centralhalle, Repertoire de Pharmacie, etc. Also the pharmacopœias of the world, and the dispensatories and commentaries on the pharmacopœias; dictionaries and encyclopædias, general and special; pharmaceutical and technical formularies; the most valuable reference works upon chemistry, pharmacy, and other related subjects; all of the American pharmaceutical journals.

The Museum contains over two thousand specimens of drugs and other plant substances of industrial importance.

EXECUTIVE COMMITTEE

William Andrew Dyche, A.M., Ph.G., Henry Sherman Maynard, Wilhelm Bodemann, Theodore Henry Patterson, M.D., Charles Hamilton Avery

FACULTY

Abram Winegardner Harris, Sc.D., LL.D.....*President*
Oscar Oldberg, Pharm.D.....*Professor of Pharmacy, and Dean of the Faculty*

William Edward Quine, M.D.....*Professor Emeritus of Physiology, Therapeutics, and Toxicology*
Harry Mann Gordin, Ph.D.....*Professor of Chemistry*
Maurice Ashbel Miner, Pharm.M.....*Curator, and Assistant Professor of Pharmacy*
Charles Waggener Patterson, B.S., Ph.C....*Assistant Professor of Analytical Pharmaceutical Chemistry*
Harry Kahn, Pharm.M., M.D.....*Assistant Professor of Physiology and Materia Medica*
Eugene Shaw Willard, D.D.S...*Assistant Professor of Bacteriology*
Gerhard H. Jensen, Ph.D..*Instructor in Botany and Pharmacognosy*
George Daniel Oglesby, Ph.G.....*Instructor in Pharmacy*
William Henry Harrison, Ph.C.....*Instructor in Chemistry*
Ferdinand Nitardy, Ph.G.....*Assistant in Chemistry*
Ernest Woollett.....*Secretary, and Instructor in Business Methods*

REQUIREMENTS FOR ADMISSION

Candidates for the degree of Graduate in Pharmacy must present evidence of having satisfactorily completed one full year of work in a properly accredited high school, or its equivalent, and must be at least seventeen years of age.

Candidates for the degree of Pharmaceutical Chemist must have completed two years' work in a high school of accepted grade or must possess a general education equivalent to it.

Candidates for the degree of Master of Pharmacy must fulfill the requirements for admission to the College of Liberal Arts. See Requirements for Degrees.

Special students not candidates for graduation may be admitted by special action of the Faculty.

Advanced Credits

A student presenting proper evidence of having satisfactorily completed in an approved school courses of study or laboratory work included in the curriculum of this School may receive such credit therefor as is consistent with the prescribed requirements.

Students of pharmacy who have completed the first year of work in any other pharmaceutical school may, at the discretion of the Faculty, be admitted to the senior class in the course for the degree of Graduate in Pharmacy, but no student will be graduated who has not been in regular attendance at this School for one full school year.

COURSES FOR THE DEGREE OF GRADUATE IN PHARMACY

Pharmacy.—Materials, methods, and products of pharmacy; pharmacy laws; the pharmacopœia; pharmaceutical nomenclature; Applied Pharmaceutical Chemistry; the prescription and the art of dispensing; lectures, text, and laboratory work.

Metrology.—Principles; the Metric System; weighing and measuring; specific weight; determinations of mass and volume and their relations; study of the instruments employed.

Microscopy.—Construction and use of the microscope.

Botany.—Histology, organography, and taxonomy; lectures and laboratory work.

Pharmacography.—The study of drugs and plant substances employed in the industrial arts; lectures and laboratory work.

Chemistry, Inorganic Chemistry.—General, theoretical, and descriptive; lectures, text, and laboratory work.

Analytical Chemistry.—Lectures, text, and laboratory work in qualitative and quantitative analysis.

Organic Chemistry.—Lectures, text, and laboratory work.

Manufacturing.—General principles; materials and products; methods; lectures and laboratory work.

HUMAN ANATOMY AND PHYSIOLOGY.—Lectures and text.

MATERIA MEDICA, THERAPEUTICS, AND TOXICOLOGY.—Lectures and text.

COURSES FOR THE DEGREE OF PHARMACEUTICAL CHEMIST

All of the work included in the course for the degree of Graduate in Pharmacy, and in addition:

ANALYTICAL CHEMISTRY.—Laboratory work in plant and drug analysis, sanitary food and water analysis, valuation of digestive preparations, examinations of fats, oils, soaps, etc.

URINE ANALYSIS.—Laboratory work.

ORGANIC CHEMISTRY.—Lectures and text, including a special course on alkaloids, glucosides, etc.

Partial Courses

A student may take one or more of the separate courses given in the school at proportional fees, and will receive full credit for work when satisfactorily done. This applies both to the didactic courses and to laboratory work. No student will be received into the school for a less period than one semester.

REQUIREMENTS FOR DEGREES

The courses for the degree of Graduate in Pharmacy are so arranged that they may be completed in two years of twenty-five weeks each, beginning in September and ending in April. If the student is obliged to spend any considerable portion of his time in earning his living, he may reduce the amount of work taken week by week and lengthen the year so as to have it extend from September to June.

The courses for the degree of Pharmaceutical Chemist are arranged to occupy two full years of nine months each.

The degree of Master in Pharmacy requires three full years of work in the College of Liberal Arts and two years of work in the School of Pharmacy. Students having completed the work of three full years of the course leading to a Bachelor's degree in the College of Liberal Arts, including all required subjects and the work for a

major and a minor, may obtain the degree of Bachelor of Science upon the completion of the work of one year in the School of Pharmacy; the degree of Master of Pharmacy upon the completion of all of the work for the degree of Pharmaceutical Chemist.

FEES AND EXPENSES

Matriculation Fee.—A matriculation fee of five dollars is paid by all students on their first admission to the school. This fee is paid but once and is not returnable.

Tuition Fees.—For the course leading to the degree of Graduate in Pharmacy, the fee for tuition is one hundred dollars a year.

For the course leading to the degree of Pharmaceutical Chemist, the fee for tuition is one hundred forty dollars a year.

The tuition fee covers the cost of instruction and of materials used in the laboratories. It is payable half-yearly in advance.

Breakage Deposit.—Each student makes a deposit of fifteen dollars a year to cover wear and tear of equipment, amounting to about two dollars, and the breakage of apparatus in his care. The unused portion is refunded at the end of the year.

Graduation Fee.—A fee of ten dollars is paid by all persons receiving a degree or diploma.

Board and Rooms

Board and rooms can be secured near the school at from four dollars to six dollars a week. Students may also secure rooms and board separately. Information in regard to these matters and addresses of reliable and satisfactory private boarding places and furnished rooms will be supplied at the College. Good accommodations are plentiful, and satisfactory arrangements can be quickly made by each student immediately upon his arrival. It is wholly unnecessary and rarely advantageous to secure board and room in advance.

The Young Men's Christian Association of Chicago has a department office in the building for the Northwestern University professional schools. The Association assists students in securing desirable boarding-places, and the Department Secretary will be glad to furnish information in regard to the work of the Association, and to render assistance to new students.

For further information address the Dean of the School of Pharmacy, Northwestern University Building, 87 Lake Street, Chicago, Ill.

THE DENTAL SCHOOL

The Dental School was organized in 1887 and three years later became a department of the University. In 1896 it absorbed the American Dental College and for some years occupied the building on Franklin and Madison streets, Chicago, formerly occupied by that school. It is now located in Northwestern University Building, at the corner of Lake and Dearborn Streets, Chicago. The Dental School was founded and is maintained for the purpose of preparing young men and women in the most thorough manner for the practice of dentistry, and for the promotion of dental science and dental literature. No expense has been spared in its equipment and in the employment of an adequate faculty of skilled teachers, and a large force of demonstrators and assistants. The school occupies the upper three floors of the University Building and has over 60,000 square feet of floor space, supplied with modern equipment, arranged especially for the purpose of teaching dentistry.

The Clinic Room, sufficient in extent to accommodate the great clinic and the offices connected with it, is of the best design and construction, consisting of a single room with arched ceiling. It is on the sixth floor, with free light on two sides and abundant skylight. It may be reached by elevators from the principal entrance on Lake Street, and from a smaller entrance on Dearborn Street. Adjoining the Operative Clinic is the Prosthetic Clinic, and on the same floor is the senior Prosthetic laboratory for porcelain, crown, and bridge work, an impression room, two rooms for extracting, and waiting rooms. The system of lecture rooms, three in number, are arranged on the amphitheater plan. Each accommodates 225 students. Other rooms are: that for Oral Surgery, the Recovery Room, the Anatomical laboratory for dissecting, the Freshman and Junior mechanical laboratory, the Library, the Museum, the Reading Room, two chemical laboratories, and the laboratory for Histology and Bacteriology.

FACULTY

Abram Winegardner Harris, Sc.D., LL.D.....*President*

Greene Vardiman Black, M.D., D.D.S., Sc.D., LL.D....*Professor of Operative Dentistry, Pathology, and Bacteriology, Dean of the Faculty*

Thomas Lewis Gilmer, M.D., D.D.S.....*Professor of Oral Surgery*

Elgin MaWhinney, D.D.S.....*Professor of Special Pathology, Materia Medica, and Therapeutics*

Edmund Noyes, D.D.S..*Professor of Dental Jurisprudence and Ethics*

James Harrison Prothero, D.D.S.....*Professor of Prosthetic Technics, Prosthetic Dentistry, and Metallography*

Frederick Bogue Noyes, A.B., D.D.S.....*Professor of Histology*

Twing Brooks Wiggin, M.D..*Professor of Physiology and Pathology*

George Amos Dorsey, Ph.D.....*Professor of Comparative Anatomy*

Charles Louis Mix, A.M., M.D.....*Professor of Anatomy*

Ira Benson Sellery, D.D.S.....*Professor of Orthodontia*

Harry Mann Gordin, Ph.D.....*Professor of Chemistry*

Arthur Davenport Black, B.S., M.D., D.D.S.....*Assistant Professor of Operative Dentistry, and Assistant in Oral Surgery*

Elgin Shaw Willard, D.D.S.....*Assistant Professor of Operative Dentistry and Bacteriology*

Fred William Gethro, D.D.S.....*Assistant Professor of Operative Dentistry and Dental Anatomy*

Harry Isaac Van Tuyl, B.S., M.D., D.D.S.....*Assistant Professor of Anatomy*

Herman Durand Peterson, M.D.....*Lecturer on Anaesthesia and Assistant in Oral Surgery*

Charles Rudolph Edward Koch, D.D.S.....*Lecturer on Dental Economics, and Secretary of the School and of the Faculty*

James William Birkland, D.D.S.....*Clinical Instructor in Operative Dentistry*

Andrew Vachel Louderback, M.S., D.D.S.....*Instructor in Histology and Bacteriology*

George Buchanan Macfarlane, D.D.S.....*Clinical Instructor in Operative Dentistry*

Huston French Methven, D.D.S...*Instructor in Prosthetic Dentistry*

GEORGE C. POUNDSTONE, D.D.S.....*Assistant in Materia Medica and Therapeutics*
BENJAMIN WALDBERG, D.D.S....*Superintendent Prosthetic Laboratory*

Demonstrators for 1907-08

CHARLES REEDER BAKER, D.D.S.....*Demonstrator in Orthodontia*
HILLES TALLEY BROWN, D.D.S.....*Demonstrator in Anatomy*
ELIJAH ROCKHOLD CROSSLEY, B.S., M.D....*Demonstrator in Anatomy*
MORRIS GROSSMAN, D.D.S.....*Demonstrator in Operative Dentistry*
DAVID SWEENEY HILLIS, M.D.....*Demonstrator in Anatomy*
ALBERT NELLON JOHNSON, D.D.S.....*Extractor*
RALPH ELLIOTT LONGWELL, D.D.S.*Demonstrator in Operative Dentistry*
GEORGE HENRY MAXWELL, D.D.S..*Demonstrator in Operative Dentistry*
ANDREW WATSON MYLES, D.D.S..*Demonstrator in Prosthetic Dentistry*
GEORGE ROBERT PUFFER, D.D.S...*Demonstrator in Operative Dentistry*
ALBERT BROWN ROOD, D.D.S....*Demonstrator in Prosthetic Dentistry*
CHARLES LUTHER SEARLE, D.D.S..*Demonstrator in Operative Dentistry*
CHARLES ABRAHAM STREET, D.D.S.....*Examiner*
GEORGE AUGUSTUS THOMPSON, D.D.S.....*Demonstrator in Operative Dentistry*
HARRY ALEXANDER WARE, M.D.....*Demonstrator in Anatomy*

REQUIREMENTS FOR ADMISSION

Persons desiring to enter The Dental School must bring with them credentials signed by a city superintendent of schools, a principal of a high school, or a state superintendent of instruction or equivalent officer, or his deputy, showing that the applicant has completed the curriculum of an accredited high school or the full equivalent.

Persons not having these credentials will be admitted upon examination and approval of the State Superintendent of Public Instruction or his deputy.

This school will receive no student who is not present within ten days after the opening day of the session in each year, or in case of necessary delay, by reason of illness properly certified by the attending physician, within twenty days after the opening day.

Students matriculating agree thereby to accept the discipline imposed by the faculty.

It is desirable that students should register early, since the order of assignment of seats in the lecture halls is based upon the order of time of registration.

Admission to Advanced Standing

Students coming from high schools and colleges, who wish credit for courses parallel to courses required in this school, should bring credentials showing specifically the time spent on these subjects and should present their note books of work done.

Students who present certificates from other recognized dental schools covering subjects required in this school will be credited with such studies if satisfactory to the Dean and to the professors in the respective departments. Graduates in medicine will be credited with one year of time.

COURSE FOR THE DEGREE OF DOCTOR OF DENTAL SURGERY

The course covers three years. The year begins on the first Tuesday in October and closes on the last Wednesday in May. There are thirty-two weeks of actual instruction given, six days in each week.

Students for the regular course can be received only during the first ten days of the first semester. Students desiring to pursue special studies may be received at any time.

If, for any cause, a regular student desires to extend his studies over a period of four or more years, a course of studies will be specially arranged for him.

Methods of Instruction

The studies of the whole course are grouped into departments, the work of each department being graded from the more general and fundamental to the more specialized and advanced.

The work in the several departments is planned with reference to that done in other departments, and the greatest care is taken that the whole shall be so correlated that the student in taking up a new subject will find himself prepared by work done in other departments.

Schedule of Courses

Students are expected to take the courses in the order enumerated, but some deviation from this rule may be allowed in cases approved by the Faculty.

DEPARTMENTS OF INSTRUCTION

Each of the departments will be presented under the headings as given in the table below, separately and complete, and in alphabetical order, and courses will be fully described in the order of the letters.

	FIRST YEAR	SECOND YEAR	THIRD YEAR
ANAESTHESIA			
See Oral Surgery			
ANATOMY	a,b,c,d	e,f,g	
ANATOMY, DENTAL			
See Operative Dentistry			
BACTERIOLOGY			
See Operative Dentistry			
CHEMISTRY	a,b,c,d	e,f,g,h	
COMPARATIVE ANATOMY		a	
ETHICS, JURISPRUDENCE, AND DENTAL ECONOMICS			a,b
HISTOLOGY	a,b,c	d,e,f,g	
MATERIA MEDICA AND THERAPEUTICS		a,b,c	
OPERATIVE DENTISTRY			k,l,m,n,o,p
Operative Technics	c,d,e,f,g,h	i,j	
Dental Anatomy	a,b		
Bacteriology			q,r
ORAL SURGERY			a,b,c,d,e,f
Anæsthesia			g,h,i
ORTHODONTIA			a,b,c
PATHOLOGY, GENERAL		a,b	
PATHOLOGY AND THERAPEUTICS, SPECIAL			a,b,c,d,e
PHYSIOLOGY	a,b,c,d	e,f	
PROSTHETIC DENTISTRY			
Prosthetic Technics	a,b,c,d,e	f,g,h,i	j,k,l

Anatomy

PROFESSOR MIX, PROFESSOR VAN TUYL, DR. CROSSLEY, DR. BROWN, AND ASSISTANTS

The equipment of the Department of Anatomy is very complete and is entirely new. The large Anatomical Laboratory, located on the top floor of the building, is well lighted on the east and south sides by numerous windows, and in the center of the room by a large skylight. The ventilation is perfect. The Laboratory is equipped with thirty-six dissecting tables of the latest pattern, entirely of metal, except the plate-glass tops. The floor is water-proof and

has such drainage arrangements that it can be flooded with hose and kept clean and sweet. Skeletons are provided for the use of the students, and by the payment of a small deposit bones may be taken from the building for home study.

FIRST YEAR

a. Visceral Anatomy, Introductory Course.—Two lectures and demonstrations a week. One-third of a semester. Professor Mix.

b. Human Dissections.—Two three-hour periods a week throughout the year. Professor Mix, Professor Van Tuyl, Dr. Crossley, Dr. Brown, and assistants.

c. Anatomy of the Extremities.—Two lectures a week throughout the year. Professor Mix.

d. Recitations on Lectures and Dissections.—Two hours a week throughout the year. Professor Van Tuyl and assistants.

SECOND YEAR

e. The Head and Neck.—Two lectures a week throughout the year. Professor Mix.

f. Human Dissections.—Two three-hour periods a week. First semester. Professor Mix, Professor Van Tuyl, Dr. Crossley, Dr. Brown, and assistants.

g. Recitations on Dissections.—Two hours a week throughout the year. Professor Van Tuyl.

Chemistry

Professor Gordin, Mr. Hudson, and Assistants

The Chemical Laboratories, exclusively for dental students, are large, well ventilated, and complete in every respect. One laboratory is devoted to the General Chemistry and Qualitative Analysis of the first year, another is arranged with special reference to the experimental teaching of Metallurgy and to other practical work of interest to dental students.

In addition to the main laboratories, there are large dispensing rooms, a balance room well equipped with balances and apparatus for

testing the physical properties of metals, amalgams, etc., and a room covered with a hood for carrying off the fumes. In this are found the furnaces employed in alloying, assaying, and refining.

FIRST YEAR

a. General and Inorganic Chemistry.—Lectures and recitations. Two hours a week. First semester. Professor Gordin.

b. Chemical Laboratory.—Work in illustrative experiments in General and Inorganic Chemistry. Three hours a week. First semester. Professor Gordin and Mr. Hudson.

c. General and Inorganic Chemistry.—Lectures and recitations. Three hours a week. Second semester. Professor Gordin.

d. Laboratory.—Study of the metals before the blow-pipe, and with reagents. Three hours a week. Second semester. Professor Gordin, Mr. Hudson, and assistants.

SECOND YEAR

e. Practical Problems in Dental Chemistry.—Lectures and quizzes. Two hours a week, first semester; one hour a week, second semester. Professor Gordin.

f. Laboratory.—Qualitative chemical analysis of unknown mixtures, particularly bases and alloys. Refining gold, silver, and other metals. Making dental alloys, gold and silver solders, amalgam alloys, etc. Laboratory study of fusible alloys, and cements. Assay of dental alloys for gold, silver, platinum, tin, copper, etc. Three hours a week. First semester. Professor Gordin, Mr. Hudson, and assistants.

g. Organic and Physiological Chemistry.—Lectures and demonstrations. Two hours a week throughout the year. Professor Gordin.

h. Laboratory Work in Dental Chemistry.—Three hours a week. Second semester. Professor Gordin and Mr. Hudson.

Comparative Dental Anatomy

Professor Dorsey

It is the design of the department to give in a concise form an intelligent view of the animal kingdom and its classifications, especially

of the vertebrates, the forms of teeth in relation to food habits and as weapons of offense and defense; with a study of the extinct species of animals of the several classes, variations in tooth forms, illustrating development through the geological ages; the history of the changes from the simple forms to the complex forms now existing. The Museum of the Dental School is especially rich in skulls of the several orders of the animal kingdom, and furnishes illustrations for the study of all of the known tooth forms. The great collection of the Field Columbian Museum is available and is made use of for purposes of illustration and study.

SECOND YEAR

a. Evolution.—The meaning of similarity of structure; natural selection; changes in organs; correlation of growth between various parts; principles of heredity and fixity of species; tooth forms; definitions and descriptions of the varieties of forms; the typical mammalian dentition; classification of the animal kingdom, with concise descriptions of the typical characteristics of each. Two lectures a week. First semester. Professor Dorsey.

Professional Ethics, Dental Jurisprudence, and Economics

Professor Edmund Noyes and Dr. Koch

This work consists of a brief statement of the important principles of morals, an exposition of the special duties and moral obligations of professional men in respect to their patients, toward their fellow practitioners, and toward the public, the more important differences between the professions and businesses or manufacturing pursuits, with reference to the ethical standards that are right and appropriate in each.

The lectures on Jurisprudence will, in the main, follow the text-book by Dr. Rehfuss. It will include qualifications and duties of expert witnesses, the importance of dental records, the limitations of dental practice, the qualifications required and the liabilities incurred, the penalties that may be suffered, and the defense to be made in case of real or supposed malpractice; the laws respecting the practice of dentistry, the steps necessary to become legal practitioners, the duties and liabilities of dentists with reference to the law, etc.

THIRD YEAR

a. Elementary Principles of Ethics.—Professional ethics. State laws relating to dentistry. Illinois Dental Law. Dental Jurisprudence. General review. One lecture a week. First semester. Professor Edmund Noyes.

b. Dental Economics.—This course was established in view of the increasing number of students without previous private preceptorship in a dental office in order to provide a knowledge of the business side of dental practice. The work embraces practice building, methods of obtaining and retaining patients, business relations between the dentist and patients, fees, accounts, records of operations, presentation and collection of accounts, methods of economy in the conduct of an office. One lecture a week. Second semester. Dr. Koch.

Histology

Professor Frederick B. Noyes, Dr. Louderback, and Assistants

This department is provided with a large laboratory, fitted with seventy-one hardwood desks, each furnished with reagents, lockers, compound microscope with lenses and condensers, electric lights, and all of the conveniences for preparation work and microscope study. It is also provided with a stereopticon and projecting microscope for demonstration purposes. In addition to this large laboratory, there is a professor's study adjoining and a well-appointed preparation laboratory with a photographic room fully equipped with all necessary apparatus.

In the laboratory work the classes are usually divided into sections of not more than fifty students. This work has been greatly aided by a large collection of lantern slides from photo-micrographs and from framed photographic prints; and by a large histological museum containing sets of microscopic slides sufficient in number on any given subject for a full section, illustrating not only all the ordinary soft tissues, but also the peridental membranes, dental pulp, periosteum, and ground sections of the teeth. These microscopic slides are used by the classes for purposes of study in addition to the sections stained and mounted by the students themselves.

FIRST YEAR

a. Construction and Use of the Microscope.—A study of cell structure and functions, of the elementary tissues, histology of the

organs; circulatory, lymphatic, alimentary tract, and accessory glands, respiratory system, urinary organs, and skin. One lecture a week throughout the year. Professor Frederick B. Noyes.

b. Laboratory Course.—The subjects of the lecture course a are included. Two three-hour periods a week throughout the year. Professor Frederick B. Noyes, Dr. Louderback, and assistants.

c. Quizzes and Recitations.—One hour a week throughout the year. Dr. Louderback.

SECOND YEAR

d. The Dental Tissues.—Enamel; the peridental membranes; periosteum; bone; mucous membranes and other soft tissues of the mouth. One lecture a week. Two-thirds of a semester. Professor Frederick B. Noyes.

e. Embryology.—A short course. One lecture a week. One-third of a semester. Professor Frederick B. Noyes.

f. Laboratory Course.—The subjects of lecture courses d and e are included. Two three-hour periods a week throughout the year. Professor Frederick B. Noyes, Dr. Louderback, and assistants.

g. Quizzes and Recitations.—One hour a week throughout the year. Dr. Louderback.

Materia Medica and Therapeutics

Professor MaWhinney, Dr. Poundstone, and Assistants

Materia Medica is taught in a series of lectures, quizzes, and recitations, with demonstrations and experimental studies. There is also a laboratory study of the most useful methods of preparing drugs for medicinal purposes, with experimental studies of their therapeutic or toxic action. The course is richly illustrated throughout. Abundant practice is given in prescription writing. The great clinic, to which students have access throughout the year, gives abundant opportunity to witness the application and therapeutic effects of drugs, and to obtain clinical practice. The instructor is in the clinic one afternoon each week assisting and directing the demonstrating force.

SECOND YEAR

a. The Sources and Various Forms of Drugs.—General and local action of drugs; agencies that modify the action of drugs; the art of prescribing medicines; a critical study of about one hundred drugs, classified as to therapeutic and toxic action, with a special laboratory study of escharotics, germicides, antiseptics, deodorizers, etc. Systematic medication for dental purposes; dental prophylaxis; the use of germicides, antiseptics, escharotics, and astringents in dentistry. One lecture a week. First semester. Two lectures a week. Second semester. Professor MaWhinney.

Quizzes and Recitations.—Dr. Poundstone.

b. Theses.—In addition to the above outline, each student is required to write ten theses, of not less than three hundred words each, on subjects assigned.

c. Clinical Practice.—The Infirmary is open to junior students four hours a day for the observation of conditions requiring the use of drugs and for clinical practice in treatments. Each student is required to make fifty points in clinical experience. See also Department of Special Pathology and Therapeutics. Professor MaWhinney and assistants.

Operative Dentistry and Bacteriology

Professor Greene V. Black, Professor Arthur D. Black, Professor Willard, Professor Gethro, Dr. Birkland, Dr. Lauderback, Dr. Macfarlane, and Assistants

Operative Dentistry in some of its forms of presentation is before the student from the time he enters the school to his graduation. In the first year it is presented in the form of a study of the human teeth, or dental anatomy, the forms and nomenclature of the instruments used in operations on the teeth, of the preparation of cavities for filling, of filling materials and their manipulation.

In the second year, there is a lecture course with demonstrations on the technical procedures in filling teeth, and the student begins practical operations in the clinic room.

In the third year, there is a review of the technical procedures in filling operations, followed by a careful study of the pathology of dental caries, and the adaptation of means to its amelioration and cure.

The Clinic Rooms, built especially for the purpose, are well equipped with Columbia operating chairs in ample number for the classes, and have abundant room with the best of light.

The Operative Infirmary Clinic is under the direct supervision of the Professor of Operative Dentistry. The student begins this work with the beginning of his junior year, and continues it to the end of the senior year, the time given to it being much greater in the senior year than in the junior. It is the intention that this infirmary practice shall be as much like an actual dental practice as possible. The development of the ability to obtain and hold a practice, or the professional comity between an operator and his patient essential to personal success, is regarded equal in importance to the development of manipulative ability.

The clinic rooms will be open throughout the year for the benefit of students who may wish to have greater experience in clinical practice under competent supervision. The number of demonstrators during the summer will be ample for the class that may choose to remain with the school. The clinical material is abundant and a most excellent opportunity is offered for clinical practice.

DENTAL ANATOMY COURSE

FIRST YEAR

a. Descriptive Anatomy of the Human Teeth.—Nomenclature. One lecture or recitation a week. First semester. Professor Gethro.

b. Laboratory Course.—Studies of the forms of individual teeth; carving the tooth forms in bone or ivory; dissections and studies of the internal parts—pulp chambers and root canals. Nine hours a week. First semester. Professor Gethro and assistants.

OPERATIVE TECHNIQUE COURSE

c. Instruments and Instrumentation.—A study of instrument forms, instrument construction, and the adaptation of instruments to the excavation of cavities. One lecture a week. One-third of a semester. Professor Gethro.

d. Laboratory Course.—Nine hours a week. One-third of a semester. Professor Gethro and assistants.

e. Cavity Nomenclature.—A study of the location of cavities in extracted teeth, of the forms of prepared cavities, of the naming of

internal parts of cavities, and of the use of instruments in their preparation. One lecture a week. One-third of a semester. Professor Gethro.

f. Laboratory Course.—Nine hours a week. One-third of a semester. Professor Gethro and assistants.

g. Filling Materials and Filling Teeth.—One lecture a week. One-third of a semester.

h. Laboratory Practice.—Filling materials and filling prepared cavities; extracted teeth, ivory, or bone. Nine hours a week. One-third of a semester. Professor Gethro and assistants.

SECOND YEAR

i. Technical Procedures in Filling Teeth.—Cavity nomenclature; cavity preparation; principles, instruments and appliances, and instrumentation; cavity preparation, by classes of cavities; filling materials; instruments and instrumentation, physics of filling operations, and finishing fillings. Porcelain inlays; preparation of cavities; formation of matrix; making and inserting inlays; gold inlays. Filling with amalgam, cements, gutta-percha, etc. Exposure and removal of dental pulp. Preparation and filling of root canals. Two lectures and recitations a week throughout the year. Professor Arthur D. Black.

j. Operative Clinic.—Open to junior students four hours a day during entire season. Operations amounting to one hundred sixty points required. Professor Arthur D. Black and assistants.

THIRD YEAR

k. Review of Technical Procedures in Filling Teeth.—Two lectures a week. First semester. Professor G. V. Black.

l. Pathology of Dental Caries.—Bacteriology of human mouth; causative relation of bacteria to dental caries. Caries of enamel; caries of dentin; inception and progress of dental caries; conditions of the beginnings of caries; systemic causes of caries; susceptibility and immunity to caries; vital phenomena in caries; hyperaesthesia of dentin; treatment of dental caries. Curative effect of fillings. Selection of filling materials. Two lectures a week. One-half of a semester. Professor G. V. Black.

m. Management of Patients.—Cleanliness; evil habits in chewing food, and their correction; management of special conditions. Caries of children's teeth and its treatment; shedding of the deciduous teeth. Management of children. Erosion; management of cases of erosion; management of cavities by classes; extension for prevention and its limitations. Management in special conditions. Esthetic considerations. Two lectures a week. One-half of a semester. Professor G. V. Black.

n. Quizzes and Recitations.—One hour a week throughout the year. Professor Willard.

o. Operative Clinic.—Open to senior students from 10:30 to 5:30 daily during term time. Operations amounting to three hundred fifty points are required. Professor of Operative Dentistry and assistants.

p. Special Fillings.—Fillings are made under the instruction and immediate observation of the special demonstrators, and later full written descriptions of the conditions indicating the operation, the instrumentation and instruments used, are submitted for grading as to excellence. Dr. Macfarlane and Dr. Birkland.

BACTERIOLOGY

This is a combined lecture, recitation, and laboratory course. The equipment includes culture ovens, sterilizers, conveniences for handling test tubes and for making culture media.

THIRD YEAR

q. Principles of Bacteriology.—The preparation of culture media; management of laboratory cultures; distinguishing of laboratory cultures; physiology of micro-organisms; poisons produced by micro-organisms; diseases caused by micro-organisms, particularly those of the teeth and mouth; susceptibility and immunity to diseases. One lecture a week throughout the year. Professor Willard.

r. Laboratory Work.—Preparation of culture media; planting and management of cultures; separation of species in mixed cultures; deriving pure cultures from infected animals; cultures from saliva, from mucous membranes, and from carious teeth; staining, mounting, and microscopic studies; diagnosis of unknowns. Six hours a week throughout the year. Professor Willard and Dr. Lauderback.

Oral Surgery

PROFESSOR GILMER, PROFESSOR ARTHUR D. BLACK, DR. GROSSMAN, DR. PETERSON, AND ASSISTANTS

The course embraces instruction in the general principles of surgery and the practical application of surgery to pathological conditions occurring about the mouth and face, giving special attention to diagnosis and recognition of conditions.

The subject of Anaesthetics and Anaesthesia is presented in detail in lectures, experimentally on animals and clinically in the oral surgery clinic, and daily in the extracting clinic. Nitrous oxide is used generally in the extracting clinic, and ether and chloroform in the oral surgery clinic. Local anaesthesia is exhibited frequently in clinic in cases to which it is adapted.

THIRD YEAR

a. SURGICAL BACTERIOLOGY.—Inflammation; suppuration; wounds; hemorrhage; necrosis; caries of bones; diseases of the maxillary sinus; resection of roots; tetanus; ankylosis; arthritis; facial neuralgia; fractures; dislocations; extraction of teeth; malposition of third molars; impacted teeth; replantation, transplantation, and implantation of teeth; cleft palate and harelip; affections of the lips, tongue, and mouth; tumors; odontomes; ranula; cysts; aneurisms. One lecture a week throughout the year. PROFESSOR GILMER.

b. RECITATIONS AND QUIZZES.—One and one-half hours a week throughout the year. PROFESSOR ARTHUR D. BLACK.

c. SURGICAL CLINIC.—Two hours a week throughout the year. PROFESSOR GILMER and nurses from St. Luke's Hospital, and DR. PETERSON.

d. SPECIAL CLINICAL INSTRUCTION.—Diagnosis and case histories. One hour a week throughout the year. PROFESSOR ARTHUR D. BLACK.

e. AFTER TREATMENT OF SURGICAL CASES.—By students, under direction of PROFESSOR GILMER.

f. CLINIC IN THE EXTRACTION OF TEETH, DAILY.—Open to juniors and seniors. DR. JOHNSON.

g. The Evolution of General Surgical Anaesthesia.—State of the patient; nature of operation; choice of anaesthetic; prolonged dental operations; circumstances of administration; inspection and examination of patients; consideration of general anaesthetic agents; local and regional anaesthetics; dangers of anaesthesia. One hour a week. Second semester. Dr. Peterson.

h. Clinical Administration of Anaesthetics—Oral surgery clinic. Two hours a week throughout the year. Dr. Peterson.

i. Clinical Exhibition of Nitrous Oxid Anaesthesia.—In extracting clinic daily during term. Dr. Johnson.

Orthodontia

Professor Sellery, Dr. Peterson, Dr. Baker, and Assistants

Orthodontia is taught both didactically and clinically. Proceeding from the normal occlusion, derangements of alignment of the teeth and malformations of the dental arch are systematically classified, and mechanical arrangements of fixtures to bring the several classes of irregularities into normal form are carefully studied. The text-books: Angle, Guilford, Knapp. Lantern slides from photographs, X-ray pictures, and models of cases are used.

THIRD YEAR

a. Occlusion and Facial Art.—Etiology, classification, diagnosis of malocclusion. The alveolus and alveolar processes, the peridental membranes, use of models, etc. One lecture a week. First semester. Professor Sellery.

b. Regulating Appliances, Angle, Guilford, Knapp.—Anchorages, jack screws, levers, traction screws, extension arch and combinations, split plates, reciprocal anchorages, retention. Illustrated with models, with movable teeth and enlarged appliances. Stereopticon views, illustrating progressive regulation and final fixation. One lecture a week. Second semester. Professor Sellery.

c. Clinic or Infirmary Course.—Open to students during first and second semesters for practical work in the correction of practical cases. Professor Sellery, Dr. Baker, and assistants.

General Pathology

PROFESSOR WIGGIN

This course is essential to the student's understanding of general pathological conditions, and forms the basis of his studies of the special pathology of the tissues of the teeth, the membranes and correlated tissues, and the organs of the mouth.

SECOND YEAR

a. ETIOLOGY OF DISEASE.—Disorders of nutrition and metabolism; diabetes; fever; general circulatory disturbances; local hyperemia; local anemia; hemorrhage; embolism; infraction; thrombosis; retrogressive processes; atrophy; infiltrations and degenerations; necrosis; inflammation; progressive tissue changes; neoplasms; infections; granulomata; bacteria, and diseases caused by them. Lectures and recitations. One hour a week throughout the year. PROFESSOR WIGGIN.

b. QUIZ CLASS IN SECTIONS.—Two hours a week. Second semester.

Special Pathology and Therapeutics

PROFESSOR MAWHINNEY

The diseases and conditions of the soft tissues of the teeth and the immediate surrounding tissues and mucous membranes of the mouth, are given special attention and study. In dental practice it is a department of operative dentistry.

THIRD YEAR

a. A REVIEW OF THE STRUCTURE AND FUNCTIONS OF THE DENTAL PULP.—Hyperemia and inflammation of the pulp; capping exposed pulps; obtunding sensitive dentin. Pulp devitalization; pulp removal; treatment of canals; root filling; suppuration; the healing process; immunity and susceptibility; suppuration of the dental pulp; alveolar abscess; absorption of roots of teeth and of bone; caries of bone; necrosis. A study of germicides and antiseptics with laboratory tests. Bleaching teeth. One lecture a week. First semester. PROFESSOR MAWHINNEY.

b. Quizzes and Recitations.—One hour a week. First semester.

c. Peridental Membranes.—Review of histological structures; simple gingivitis; calcic inflammation; phagedenic pericementitis; replantation and transplantation of teeth; functions of the mucous membranes of the mouth; stomatitis; prophylaxis; mouth hygiene. Two lectures a week. Second semester. Professor MaWhinney.

d. Quizzes and Recitations.—One hour a week. Second semester.

e. Clinical Practice.—In addition to the above courses senior students are required to make one hundred fifty points in practical treatments in the Infirmary clinic, and to send in for examination and criticism a complete history and treatment record of each of ten cases. Professor MaWhinney is in the Infirmary one-half day each week to superintend this work. ,

Physiology

Professor Wiggin

The work in Physiology includes a course of two lectures a week and text-book study with quizzes, in the freshman year; in the junior year the subject is continued, one lecture a week, devoted mainly to the brain, nervous system, and the functions of reproduction.

FIRST YEAR

a. General Physiology.—The structure of the elementary tissues. The chemical composition of the body. The blood. The circulation of the blood. Two lectures a week. First semester. Professor Wiggin.

b. Quiz and Class Work in Sections.—Two hours a week. First semester.

c. Respiration.—Secretion; food digestion; metabolism; nutrition and diet; animal heat; excretion; muscle; nerve physiology; production of voice. Two lectures a week. Second semester. Professor Wiggin.

d. Quiz Class Work.—In two sections. Two hours a week. Second semester.

SECOND YEAR

e. The Central Nervous System.—Brain. Spinal cord. Reproductive organs. Development. Lectures and Recitations. One hour a week throughout the year. Professor Wiggin.

f. Quiz Class Work in Sections.—Two hours a week throughout the year.

Prosthetic Dentistry

Professor Prothero, Dr. Methven, Dr. Waldberg, and Assistants

The Prosthetic Technic Laboratory and the Junior Prosthetic Laboratory are situated on the fifth floor, and the Senior Prosthetic Laboratory is situated on the sixth floor, adjacent to the Crown and Bridge Room. All are well supplied with outside light, and also completely equipped with electric ights.

Each laboratory is furnished with electric lathes for grinding and polishing; the Junior Laboratory is completely equipped with the heavier laboratory appliances, such as vulcanizers, celluloid presses, apparatus for casting aluminum plates, etc. The Senior Laboratory and the Crown and Bridge Room are equipped with a number of electric and gasoline furnaces for porcelain work, and swaging devices of various kinds for inlay and seamless crown work. The Crown and Bridge Room, where practical prosthetic operations are carried on, is equipped with thirty modern chairs.

FIRST YEAR

a. Prosthetic Technics.—This course covers the fundamental principles of denture construction and crown and bridge work, and accompanies the laboratory course. One lecture a week. First semester. Professor Prothero. One hour quiz or recitation a week. First semester. Dr. Methven.

b. Laboratory Course.—Impression taking, model constructing, occluding, waxing, flasking, packing, vulcanizing, and finishing partial and full artificial dentures. Nine hours a week. First semester. Professor Prothero, Dr. Methven, and assistants.

c. Metallography.—A descriptive course on the nature and physical properties of metals, especially those used in dentistry, with fundamental principles of their uses; the manipulation of metals,

swaging, annealing, solders and soldering, welding, tempering. One lecture a week. Second semester. PROFESSOR PROTHERO.

d. QUIZ OR RECITATION.—On the work of Courses a, b, and c. One hour a week. Second semester. DR. METHVEN.

e. LABORATORY COURSE.—Construction of dies and counter dies; swaging metal bases of German silver; attaching teeth by soldering and by vulcanite; construction of crowns and dummies, all metal, and metal and porcelain; assembling individual crowns and dummies to form bridges; constructing and tempering taps and dies of steel; drawing wire and tubing suitable for the construction of orthodontia appliances. Nine hours a week. Second semester. PROFESSOR PROTHERO, DR. METHVEN, and assistants.

SECOND YEAR

f. LECTURE COURSE.—Review of technic principles outlined in first year; their application to practical operations in the Infirmary. The physical properties of plaster of Paris, and other materials employed in prosthesis. Muscles of mastication; force of the bite; movements of the lower jaw; natural arrangement and occlusion of artificial teeth. One lecture a week throughout the year. PROFESSOR PROTHERO.

g. QUIZ OR RECITATION.—One hour a week throughout the year. DR. METHVEN.

h. LABORATORY COURSE.—Construction of full and partial metal base dentures, with teeth attached by soldering and by vulcanite; construction and application of clasps to partial dentures; advanced work in crowns and bridges. Nine hours a week throughout the year. PROFESSOR PROTHERO, DR. WALDBERG, and DR. METHVEN.

i. PROSTHETIC CLINIC.—Each student is required to carry to completion for patients a number of practical cases, representing each of the various classes of prosthesis, amounting to at least fifty points. PROFESSOR PROTHERO, DR. METHVEN, and assistants.

THIRD YEAR

j. A CRITICAL REVIEW.—Summary of recent methods and appliances; application of porcelain in prosthesis; baked porcelain crowns; porcelain bridges, full porcelain dentures; methods of cavity prepara-

tion for porcelain inlays, forming, baking, and setting porcelain inlays. The student is assigned a series of articles for reading, and is required to present a thesis covering the subject named. One lecture a week throughout the year. PROFESSOR PROTHERO.

k. LABORATORY COURSE.—Cast aluminum base dentures; celluloid dentures; banded Logan crowns; baked porcelain crowns; porcelain bridges; continuous gum dentures. Six hours a week. First semester. DR. WALDBERG, DR. METHVEN, and assistants.

l. PROSTHETIC CLINIC.—Practical pieces of prosthetic work of all varieties made and fitted for patients in the Infirmary. Studies of the conditions of the mucous membranes; the preparation of roots for crowns and the abutments of bridges; making and setting crowns and bridges, preparation of cavities and setting porcelain or gold inlays, etc. The minimum requirement is one hundred points.

The Infirmary is open to students from 10:30 to 5:30 o'clock each day during term time. This period is divided between the Prosthetic and the Operative Departments, and text-book work and general reading. PROFESSOR PROTHERO, DR. METHVEN, and assistants.

REQUIREMENTS FOR DEGREE

The degree of Doctor of Dental Surgery is conferred on such students as complete the course of instruction. Candidates must have attended the required courses of lectures, the last year at least in this school, and must pass satisfactory examinations in all the subjects of study. The monthly reports of the quizzes and the infirmary practice of the students will bear very materially upon their standing at all examinations.

To be admitted to a degree, a candidate must be twenty-one years of age, and must be of good moral character.

No student will be recommended for a degree who has not passed the required examinations, who has not done the required clinical and laboratory work, and who has not discharged in full all financial obligations to the University.

EQUIPMENT

The Library and Reading Room

The Menges Library and Reading Room, named in honor of the late Dr. Theodore Menges, together with the attached Journal and

Professors' Reading Room, occupy three thousand feet of floor space. There are reading tables and chairs for the accommodation of about one hundred students. The Library contains 2,665 volumes of books on dental and collateral subjects; a rich supply of dictionaries and encyclopedias conveniently placed in the Reading Room for easy consultation; and nearly all of the dental journal literature in the English language, with about 10,000 duplicate numbers. The books most used by students are duplicated, up to twelve, and a few to fifteen copies. The books and journals may be used in the Reading Room without restriction, and when the duplication of volumes will allow, they may be drawn out as a circulating library.

The Museum

The Museum of the Dental School is in the Reading Room and is open to inspection and study. The cases are arranged to show the specimens to the best advantage.

The comparative anatomy specimens are, with the exception of full skeletons of the gorilla and chimpanzee, heads with the teeth. There is a sufficient number of varieties of each of the several orders to give specimens of every kind of tooth form and of every variety of placement in mammals, saurians, and snakes, with a rich variety of fishes.

The principal specimens of the human skull are, first, a most excellent mounting of the separated bones of the adult; second, a fine set of dissections in a series showing the development of the teeth and the roots from the first appearance in the fetus to the full adult development, and illustrating the absorption of the roots of the deciduous teeth, the shedding process, and the replacement by permanent teeth; also the absorption of the alveolar processes after the loss of teeth, with the changes that occur in the form of the bones of the jaws from childhood to old age. This is an exceptionally complete, handsome, and valuable set of specimens. There are also a considerable number of ordinary human skulls.

The Museum also contains a valuable collection of abnormal forms of human teeth; a very full and complete set of specimens illustrating interproximate wear and flattening of interproximate contact; some illustrations of the very early forms of artificial teeth, of manufactured porcelain teeth, and of dental instruments, illustrating the development in these lines. This collection has been made largely in the school by students and alumni, and is being continually enlarged by donations from those who have met with specimens unusual or rare in practice. Such donations are requested from all practitioners

who are willing to assist in building up this great museum of abnormal conditions of teeth and of associated parts for the benefit of dental education.

FEES AND EXPENSES

The Tuition Fee.—The annual tuition fee is $150.00. All fees are payable at the beginning of the school year. The tuition fee may, at the option of the student, be paid in two or three installments. If paid in two installments, $78.00 must be paid not later than October 20, and $75.00 on January 20. If paid in three installments, $55.00 must be paid not later than October 20, $50.00 on January 20, and $50.00 on April 20.

Registration Fee.—The annual fee for registration is $5.00.

Breakage Fee.—The annual fee for breakage is $10.00.

Anatomical Fee.—For Freshmen and Juniors.....$ 5.00

Final Examination Fee.—For Seniors.....$15.00

Laboratory Deposits.—A deposit of $5.00 in the Chemical and also in the Histological laboratory will be required of Freshman and Junior students. These deposits will be returned at the end of the school year, less a charge for materials or apparatus lost or destroyed while in the care and keeping of the student.

Locker Fee.—Lockers for the keeping of students' instruments, engines, and extra garments are furnished at a rental of 50 cents a year. Each student is required to furnish padlocks for his lockers.

Refund of Fees.—Fees are returned only in the case of serious illness.

Summer Course Fees.—Registration, $5.00; tuition for one subject, $45.00; tuition for two or three subjects, $60.00; tuition for entire course, $70.00; to graduates of Northwestern a reduction of twenty per cent will be made on tuition fees.

Payments should be made in currency or in Chicago exchange drawn to the order of the Secretary of Northwestern University Dental School.

Board and Lodging

Rooms and board may be obtained in neighborhoods convenient to the School at $4.00 to $6.00 a week. Rooms without board, furnished or unfurnished, may be had at $6.00 to $10.00 a month.

SUMMER COURSE FOR GRADUATES AND PRACTITIONERS

This course opens on June 1, 1908, and on the first Monday of each June and continues four weeks, with six days of teaching each week. It includes two hours of lectures and six hours of practical teaching each day, by members of the regular staff of the school. Especial attention is given to porcelain and gold inlays, crowns, bridge work of all kinds, the treatment of pyorrhœa, and the most recent methods in Operative Dentistry, Oral Surgery, and Orthodontia. The studies for 1908 are:

Operative Dentistry.—Professor G. V. Black, assisted by Professor A. D. Black, and others.

Histology, as Applied to Operative Dentistry.—Professor Fred B. Noyes.

Oral Surgery.—Professor Thomas L. Gilmer, and assistants.

Materia Medica.—Professor Elgin MaWhinney.

Prosthetic Dentistry.—Professor J. H. Prothero and assistants.

Orthodontia.—Professor J. B. Sellery.

Certificates are given to those who complete the course.

For a statement of fees see Summer Course Fees on page 274.

For further information relating to the Dental School, address The Secretary, Northwestern University Dental School, Northwestern University Building, Lake and Dearborn Streets, Chicago, Illinois.

THE SCHOOL OF MUSIC

The School of Music was established in 1895. It offers extensive courses in the practical and theoretical study of music, and is designed to fit students for the profession as composers, theorists, artists, teachers, or critics. It also makes provision for the study of music as a part of general culture or as an accomplishment.

The school occupies its own building on Willard Campus. This building, Music Hall, was erected during the year 1897 for the special needs of the School of Music. It is situated on University Place, between Sherman and Orrington Avenues, immediately to the north of Willard Hall, and one square west of University Campus. It is within easy access of both street railways, and is two blocks east and two blocks north of the Evanston railway station. It is substantially built of stone and brick, surmounted with a tile roofing and finished in Georgia pine. The main floor contains the Dean's Office, the Business Office, Reception Room, besides teaching and practice rooms. Additional class-rooms are found on the second floor, together with a well-arranged concert hall, seating three hundred fifty. The Hall is provided with a large stage, with dressing rooms, a grand piano, a two-manual pipe organ with pedals, and is seated with opera chairs. The basement floor is subdivided into fourteen rooms, giving a large class-room for recitations in theory and musical history, and thirteen more practice rooms. The latter are especially pleasant, being well lighted and well heated.

FACULTY

ABRAM WINEGARDNER HARRIS, Sc.D., LL.D.....*President*
PETER CHRISTIAN LUTKIN, Mus.D.....*Professor of Piano, Organ, Theory and Composition, and Dean of the Faculty*

HAROLD EVERARD KNAPP.....*Director of the Violin Department, Professor of Violin and Ensemble Playing*
ARNE OLDBERG.....*Professor of Piano and Composition*
KARLETON HACKETT.....*Director of the Vocal Department, Instructor in Voice Culture*
VICTOR GARWOOD.....*Instructor in Piano and History of Music*
WILLIAM HENRY KNAPP.....*Instructor in Voice Culture*
MARGARET CAMERON.....*Instructor in Piano*
NINA SHUMWAY KNAPP.....*Instructor in Piano*
LOUIS NORTON DODGE.....*Instructor in Piano and Theory*
HILA VERBECK KNAPP.....*Instructor in Piano*
BERTHA ALTHEA BEEMAN.....*Instructor in Voice Culture*
BARBARA ANN RUSSELL....*Instructor in Sight-Reading, Choral Music, and Public School Music Methods*
LEWIS RANDOLPH BLACKMAN.....*Instructor in Violin*
DAY WILLIAMS.....*Instructor in Violoncello*
WALFRIED SINGER.....*Instructor in Harp*
CHARLES JOSEPH KING.....*Instructor in Clarinet, Oboe, and Bassoon*
CHARLES STEPHEN HORN.....*Instructor in Cornet*
CURTIS ABEL BARRY.....*Instructor in Organ*
CHARLES JOHN HAAKE.....*Director of the Preparatory Department, Instructor in Piano*
NELLIE BEULAH FLODIN.....*Assistant Instructor in Piano and Ensemble Playing*
SARAH MOORE....*Assistant Instructor in Piano and Children's Classes*
MYRTA MCKEAN DENNIS.....*Assistant Instructor in Piano*
LURA MARY BAILEY.....*Assistant Instructor in Piano*

IRVING HAMLIN .....*Secretary*

REQUIREMENTS FOR ADMISSION

Students enter the School of Music either as regular or as special students. Regular students pursue prescribed courses of study and become candidates for a certificate or diploma. Special students pursue such work as they may elect; but, if they are not residents of Evanston, they are required to take sufficient work to keep their time reasonably occupied. All students come under the discipline and general social regulations of the University.

For the course in Applied Music moderate attainments representing on an average one year of systematic training in singing or two or three years in instrumental music are necessary.

COURSES OF INSTRUCTION

Methods of Instruction

Attention is called to the fact that instruction in instrumental and vocal music is based upon private lessons, and not upon the so-called conservatory or class system. Artistic results are entirely dependent upon a close adaptation to the individual needs of the pupil, and cannot be satisfactorily accomplished in classes. No two students have the same mental, physical, or artistic capacity, and the individual capabilities can be neither properly nor fully developed without painstaking personal attention. The only real advantages of the class system—those of emulation and observation—are fully provided for by the system of weekly solo classes.

Outline of Courses

Course in Applied Music, leading to the Degree of Graduate in Music.

Course in Theory and History of Music, leading to the Degree of Bachelor of Music.

Post-Graduate Course.

Literary Musical Course.

Course in Methods in Public School Music.

The letters given after the subjects in the schedules of courses that follow refer to the courses as listed in the College of Liberal Arts on page 114 to page 116.

Course in Applied Music

By applied music is meant the practical study of piano, organ, violin, or voice, to which two lessons a week are given, and for which four hours a day are spent in preparation. Voice students may substitute piano playing of medium grade, choir practice and choral practice in the Evanston Musical Club for instrumental sight-reading, ensemble playing, and reading from score. The amount of vocal practice will be decided by the instructor. Ordinarily organ students divide their time between the organ and the piano; but if they are sufficiently advanced technically and in sight-reading, the piano requirements may be waived, and one lesson a week given upon the organ, and a special tuition rate allowed, see page 296. In the case of students of stringed instruments, orchestra practice is considered an equivalent for ensemble playing.

This course includes in addition to the practical studies in applied music the theoretical subjects specified below. Candidates of decided ability can complete the course in four years. The course is designed as a preparation for professional work. Candidates who can meet the entrance requirements to the College of Liberal Arts will receive, upon the satisfactory completion of this course, the degree of Graduate in Music. Opportunity is given in the Evanston Academy of the University to make up any reasonable deficiency in College entrance requirements without additional expense. Matriculation once effected permits the candidate to pursue each year one College study during the music course without additional fee. Candidates registering for such subjects, however, will not be permitted to discontinue them except at the end of a semester.

The courses of instruction in the College of Liberal Arts are described fully and in detail on pages 83 to 129 inclusive, the departments of study being arranged in alphabetical order. The subjects open to election in the Academy are not given in this catalogue, but are listed in the Bulletin of the Evanston Academy, which may be had upon application to the Principal.

Candidates not desiring or unable to complete the studies necessary for matriculation in the College of Liberal Arts, may confine their work to the purely musical studies scheduled below, and upon the satisfactory completion of them will be granted the School of Music diploma of musical proficiency. Such students may carry one literary study in the Academy during the course without additional fee.

A suitable certificate will also be given on the satisfactory completion of the second year of the course.

The performance of a program as outlined on page 293, under the heading Certificate of Performance is an additional requirement.

FIRST YEAR

Introductory Harmony, Form and Analysis.....Course A
History of Music.....Course B
Sight-Reading, vocal ..Course C
Ensemble, four and eight-hand piano playing
Solo Classes, Recitals, and Concerts
Applied Music, two half-hour lessons a week
One College or Academy Study

SECOND YEAR

Harmony .....Course D
Form and Analysis....Course E
History of Music.....Course F
Chorus and Choir Training...
.....Course G
Ensemble, pianoforte and strings, and Accompaniment.
Solo Classes, Recitals, Concerts.
Applied Music, two half-hour lessons a week.
One College or Academy Study

THIRD YEAR

Counterpoint .....Course H
Advanced Harmony....Course I
Composition .....Course J
Advanced History of Music...
.....Course K
Analysis .....Course L
Ensemble, pianoforte and strings, and Accompaniment
Solo Classes, Recitals, and Concerts
Applied Music, two half-hour lessons a week
One College or Academy Study

FOURTH YEAR

Counterpoint, Canon and Fugue
.....Course M.
Vocal Composition.....Course N.
Instrumental Composition.....
.....Course O.
Analysis .....Course P.
Ensemble, Chamber Music
Music Pedagogy
Solo Classes, Recitals, and Concerts.
Applied Music, two half-hour lessons a week
One College or Academy Study

For hours of recitations and details of studies in Courses A to P, see pages 114 to 116.

PROGRAM REQUIREMENTS

In addition to the foregoing schedule candidates must satisfactorily perform programs conforming to the following requirements:

PIANO STUDENTS.—A concerto of considerable difficulty; one of the later Beethoven sonatas; one of the more important works of Bach; two Chopin études; selections from the more important works of Schumann and Brahms.

Organ Students.—One of the great preludes and fugues of Bach; a sonata of Guilmant or Rheinberger; selections from the works of Thiele, Widor, Merkel, or Franck.

Violin Students.—A Bach sonata; a concerto of considerable difficulty; a modern sonata for piano and violin; selections from the more important works of Vieuxtemps and Wieniawski.

Vocal Students.—An operatic aria; an aria from Handel's Messiah or Haydn's Creation; an aria from a modern oratorio; group of songs from Brahms, Jensen, Schumann, Schubert, or Franz.

Course in Theory and History of Music

This course is intended for composers and theorists. The candidate for entrance is expected to be fairly experienced at the key-board, and to be familiar with all the major and minor keys, and with the simpler harmonies.

The course requires four years and leads to the degree of Bachelor of Music.

The candidate at the close of the required studies must compose a work of considerable length for chorus and orchestra, introducing solos and a tonal fugue in at least four parts. In both its technical and artistic aspects this work must be satisfactory to the Faculty.

As in Course I, the candidate must be able to matriculate in the College of Liberal Arts before receiving his degree, and in addition must have pursued a course in General Physics for one year.

Upon the satisfactory completion of three years of the course, a certificate is granted by the University.

FIRST YEAR

Harmony .....Course D
Form and Analysis....Course F
History of Music.....
.....Courses B and F
One College or Academy Study

SECOND YEAR

Counterpoint .....Course H
Harmony .....Course I
Composition .....Course J
History of Music.....Course K
Analysis .....Course L
One College or Academy Study

THIRD YEAR

Counterpoint, Canon and Fugue
.....Course M
Vocal Composition....Course N
Instrumental Composition.....O
Analysis .....Course P
One College or Academy Study

FOURTH YEAR

Canon and Fugue.....Course Q
Vocal Composition.....Course R
Instrumental Composition.....
.....Course S
One College or Academy Study

For hours of recitation and details of studies in Courses D to S, see pages 114 to 116.

Post-Graduate Course

This course gives to performers opportunity to pursue further their preparation for artistic concert performance or to extend their knowledge of the classical literature of applied music. To composers it offers valuable experience in the larger forms, such as cantatas, oratorios, chamber music and symphonies. Music, in its broadest sense, presents an almost limitless field for study, and graduates can enter this course with profit.

Literary Musical Course

This course, intended for students of high school grade, includes the more essential subjects of general culture, together with the study of music for two hours daily. It is the four-year course of the Evanston Academy, with the substitution of Music for one-fourth of the required work. The studies include Latin, physiography, algebra, English, Grecian and Roman history, Greek, biology, plane geometry, physics, German and French. Music is pursued continuously during the entire course, two lessons a week to be taken, requiring at least two hours a day in practice and preparation. The students who wish to pursue the study of Music as a part of their school work, come under the jurisdiction of the Academy, and receive its diploma upon passing the necessary examinations. For particulars, other than musical, see the circulars of the Evanston Academy of Northwestern University.

Course in Methods in Public School Music

This course is intended to fit the candidate for the position of Supervisor of Music in the public schools. The course is one year in length, but students who enter without previous experience in singing and without knowledge of the rudiments of music, can hardly expect to complete it in that time. While the study of music is taken up from the rudiments, the first principles are not dwelt upon to the extent that would be necessary if the student had no knowledge whatever, of music.

The course includes observation of actual class work in the public schools, under the direction of the Supervisor of Music for the City Schools of Evanston, who has charge of this department.

The study of music is assuming more and more importance in public schools throughout the country, and well-equipped supervisors are in demand. The ability to teach one or two branches of study besides music will frequently improve the candidate's chances of obtaining a position, and may be the means of securing higher remuneration.

Students in this course may substitute more advanced work in any of the above subjects, provided they can prove their ability to carry it. For hours of recitation and details of studies in Courses A to T, see pages 114 to 116.

Introductory Harmony, Form and Analysis.....Course A
History of Music.....
.....Courses B and F
Sight-Reading, vocal...Course C
Chorus and Choir Training...
.....Course G
Public School Methods.Course T

Ensemble, four and eight-hand piano playing, and Accompaniment, optional; one College or Academy study.

GRADUATION

Diplomas and Certificates

Upon the recommendation of the faculty, diplomas will be given to students completing the course in Applied Music or the course in Theory and History of Music, and certificates to those completing the course in Methods in Public School Music; the second year of the course in Applied Music; and the third year of the course in Theory and History of Music.

To students who have studied at least two years in the school and can creditably perform a program in their specialty, a Certificate of Performance will be given stating the degree of proficiency. The minimum requirements are as follows:

Piano Students.—Beethoven, a complete sonata; Bach, a fugue or three-voiced invention; Mendelssohn, Schumann, and Chopin, characteristic pieces of average difficulty; two selections from modern composers.

Organ Students.—Bach, prelude and fugue; Mendelssohn, sonata complete; two groups of pieces drawn from the modern English and French schools.

Violin Students.—A sonata for piano and violin from Haydn, Mozart, or Beethoven; one of the easier Viotti concertos; two groups of solo pieces of average difficulty.

Vocal Students.—An oratorio aria; a group of songs from the classic composers; a group of songs from modern composers.

FEES AND EXPENSES

General Fees

The school year is divided into four quarters of nine weeks each, and unless otherwise indicated fees as stated are paid quarterly. Tuition is payable strictly in advance at the University office, 518 Davis Street. Checks may be drawn payable to Northwestern University, and all fees should be paid in currency or in Chicago exchange.

Matriculation Fee.—A matriculation of five dollars is charged upon entering the regular courses or theoretical classes. It is paid but once.

Incidental Fee.—A fee of fifty cents a quarter is charged each student entering the School. This fee covers admission to the Artists' Series of Concerts.

Musical Club Fees.—Active membership in the Evanston Musical Club, see Course G, page 115, is three dollars a year. All students in regular courses are required to attend the concerts of the Club and are charged fifty cents in the second, third, and fourth quarters for admission to these concerts, with reserved seat. Students who are active members of the Club are exempt from this charge.

Diploma Fee.—Ten dollars.

Certificate Fee.—Five dollars, for certificates in the course in Applied Music, in the course in Theory and History of Music, or the course in Methods in Public School Music, or for a Certificate of Performance.

Locker Fee.—A fee of twenty-five cents per quarter is charged to those desiring the use of a locker.

Free Courses.—The classes in Sight-Reading, the Chamber Music and Faculty Concerts, except the Artists' Series, numerous recitals and lectures in the School of Music and others in departments of the University, are open to students of the School of Music, free of charge.

Course Fees

Course in Applied Music.—A Theory fee of twenty dollars, in addition to a fee for the major study to be found in the table of Applied Music Fees. To students desiring Course T, Public School Methods, an extra fee of ten dollars is charged.

Course in Theory and History of Music.—Regular fee, twenty dollars. To students desiring Course T, Public School Methods, an extra fee of ten dollars is charged.

Post-Graduate Course.—According to Special Student fees.

Literary Musical Course.—The Academy tuition fee of seventy dollars a year is paid for the work in Evanston Academy, in addition to the Special Student fees in the School of Music, less five dollars a quarter.

Course in Methods in Public School Music.—Regular fee thirty dollars. To students registered in the Course in Applied Music or the Course in Theory and History of Music, ten dollars. To students desiring applied music, one study may be taken in the table of Applied Music Fees; if more than one be desired, the additional study is taken in table of Special Student Fees.

Additional Fees.—Students desiring to take more than one College study are referred to the statements of fees on page 153.

Applied Music Fees

The fees for Applied Music are given in the following table. They are applicable to one study of students paying the full Theory Fee of twenty dollars or the full Public School Methods Fee of thirty dollars. Additional studies are taken from the table of Special Student Fees. The rates apply for a quarter of nine weeks; the lessons are a half-hour in length.

PRIVATE LESSONS	ONCE A WEEK	TWICE A WEEK
Professor Lutkin..... Piano or Organ.....		$35.00
Professor Lutkin..... Special Organ Rate—see page 296..	20.00	.....
Professor H. E. Knapp..Violin		25.00
Professor Oldberg..... Piano		30.00
Mr. Garwood.....Piano		30.00

Mr. Hackett	Voice	40.00
Mr. W. H. Knapp	Voice	22.00
Miss Cameron	Piano	22.00
Mr. Dodge	Piano or Theory	20.00
Miss Beeman	Voice	18.00
Mr. Blackman	Violin	18.00
Mrs. Nina S. Knapp	Piano	18.00
Mrs. Hila V. Knapp	Piano	16.00
Mr. Haake	Piano	16.00
Mr. Barry	Special Organ Rate—see page 296	9.00

Special Student Fees

The Special Student Fees for private lessons are applicable to students desiring vocal or instrumental music only; or to those taking a partial course in theory; or to full theory course students under certain conditions already mentioned. The rates apply for a quarter of nine weeks; the lessons are a half-hour in length.

PRIVATE LESSONS		TWICE A WEEK	ONCE A WEEK
Professor Lutkin	Piano	$45.00	$25.00
Professor Lutkin	Organ	45.00	25.00
Mr. Hackett	Voice	54.00	30.00
Professor Oldberg	Piano	40.00	22.00
Mr. Garwood	Piano	40.00	22.00
Professor H. E. Knapp	Violin	31.50	17.00
Mr. W. H. Knapp	Voice	27.00	15.00
Mr. Williams	Violoncello	27.00	15.00
Miss Cameron	Piano	27.00	15.00
Mr. Dodge	Piano	25.00	13.50
Mr. Dodge	Theory	25.00	13.50
Miss Beeman	Voice	22.50	12.00
Mr. Backman	Violin	22.50	12.00
Mrs. Nina S. Knapp	Piano	22.50	12.00
Mrs. Hila V. Knapp	Piano	20.00	11.00
Mr. Barry	Organ	20.00	11.00
Mr. Haake	Piano	20.00	11.00
Mr. King	Clarinet	18.00	10.00
Mr. Horn	Cornet	18.00	10.00

The fees for a partial course in theory, class lessons, are given in the following table:

	A QUARTER
One recitation a week	$ 5.00
Two recitations a week	8.00
Three recitations a week	11.00
Pedagogy, free to Fourth Year Students in the course in Applied Music	5.00
Vocal Sight-Reading Class, to students taking no other work	1.50
Physical Culture	2.50

Practice Fees

These fees are paid both by Regular and by Special Students.

PIANO PRACTICE

	A QUARTER
One hour daily	$ 3.00
Two hours daily	5.50
Three hours daily	8.00
Four hours daily	10.00

ORGAN PRACTICE

	A QUARTER
Pipe Organ, each hour of daily practice, including blowing	$10.00
Vocalion Organ, each hour of daily practice, including blowing	7.50
Pedal Piano, each hour of daily practice	5.00

REFUNDS.—Private lessons falling upon legal holidays are made up only at the convenience of the teacher. No deductions will be made to pupils for absence from lessons due to occasional illness or other causes. In cases of protracted illness, when due notice is given, private lessons missed will be transferred to a subsequent quarter, or the loss will be divided with the student.

A discount of twenty-five per cent is allowed for private lessons to the immediate members of a minister's family. It is not allowed for class instruction or for practice.

In the case of class lessons or practice hours, one-half of the fee will be refunded if the student withdraws before the middle of a quarter, provided he secures from the Dean a statement of honorable standing, and from a physician a certificate that his health will not permit him to remain in attendance.

SPECIAL COURSES

Music Pedagogy

During the last term of each year the Director of the Preparatory Department gives a series of lectures, more especially intended for the graduating class, designed to give young teachers an orderly survey of the materials of music education with special reference to piano playing from the smallest beginnings to an advanced stage of attainment.

Preparatory Department

A Preparatory Department is maintained by the School of Music in which excellent instruction may be obtained in piano, organ, voice, or theory. Instruction is given for the most part by graduates and under-graduates of the school, classified respectively as Assistant Instructors and Student Instructors. The quarters coincide with those of the regular school, being nine weeks in length. Tuition rates are from twelve dollars to eighteen dollars a quarter of eighteen half-hour lessons.

For further information and for special circulars relating to the School of Music, address Northwestern University School of Music Evanston, Illinois

PREPARATORY DEPARTMENTS, THEOLOGICAL SCHOOLS AND SCHOOL OF ORATORY

Evanston Academy is situated on the University campus in Evanston and occupies Fisk Hall, which was erected for its purposes in 1898. The special work of the school is to prepare students for college and technical schools. Besides this special work a general academic education is offered to those who cannot take a regular course, but who wish to prepare themselves for the study of law or of medicine, or for teaching in the public schools, or for business.

The course of study extends through four years. Students who give satisfactory evidence of having done thoroughly a part of the course before entering will be credited with that work. Students completing the course are admitted to the College of Liberal Arts on the certificate of the Principal.

The Academy provides instruction adequate for admission to college in the English, French, German, Spanish, Latin, and Greek languages, in Mathematics, History, and Civics. It has a well-equipped Manual Training plant, and ample rooms completely furnished with apparatus for laboratory instruction in Mechanical and Electrical Physics, Zoölogy, Botany, and Physiography. It also affords convenient facilities for college students to make up entrance conditions.

Five literary societies, three for young men and two for young women, have their homes in well-furnished parlors in Fisk Hall, and all of them are active. The two Christian Associations maintain weekly meetings and in many ways serve the interests of the body of students. They welcome all students to membership.

The departments of instruction are immediately supervised by the corresponding departments of instruction in the College of Liberal Arts. Those who wish to add courses in Music or in Elocution to Academy studies, have convenient access to those departments, in which unsurpassed advantages are offered.

For further information address Evanston Academy, Evanston, Illinois.

EVANSTON ACADEMY OF NORTHWESTERN UNIVERSITY

EVANSTON

Faculty

ABRAM WINEGARDNER HARRIS, Sc.D., LL.D.....*President*
ARTHUR HERBERT WILDE, S.T.B., Ph.D.....*Principal*

HERBERT FRANKLIN FISK, D.D., LL.D.....*Principal Emeritus*
ADA TOWNSEND, A.M.....*Instructor in Latin*
JULIA EARECKSON FERGUSON.....*Instructor in Drawing*
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CARLA FERN SARGENT, A.M.....*Instructor in History*
ANN ESTELLE CARAWAY, Ph.B.....*Instructor in German*
JANE NEILL SCOTT, A.M.....*Instructor in Latin*
JOHN HUBERT SCOTT, A.M.....*Instructor in English*
LEWIS HART WELD, A.M.....*Instructor in Biology*
HELEN A. S. DICKINSON, Ph.D.....*Instructor in German and French*
DEAN SPRUILL FANSLER, A.M.....*Instructor in English*
LLOYD LYNE DINES, A.M.....*Instructor in Mathematics*
RAYMOND ROYCE HITCHCOCK, A.B.....*Instructor in Mathematics*
HOWARD WILSON MOODY, A.B..*Instructor in Physics and Mathematics*
GEORGE ERNEST STANFORD.....*Instructor in Manual Training and Mechanical Drawing*
RALPH THOMAS BICKELL.....*Instructor in Bookkeeping*
VERNON REECE LOUCKS.....*Instructor in History*
FRANCES CHRISTINE RAWLINS, A.B.....*Instructor in Latin*
HELEN CHURCH...*Instructor in Stenography, and Office Stenographer*
FLORENCE ALBERTA STOCKLEY, B.S.....*Office Secretary*

Grand Prairie Seminary is a preparatory school founded in 1863 and affiliated with Northwestern University in 1901. It is well endowed and maintains a high standard of scholarship.

It is situated in Onarga, Illinois, on the main line of the Illinois Central Railway, eighty-four miles south of Chicago. The town is an ideal place for a school, having no saloons, and the community is noted for its high moral tone. It has good churches and a Public Library, which is at the service of the members of the School.

The equipment of the Seminary consists of three buildings, a Recitation Hall for class instruction, an Auditorium for public exercises, musical, oratory, and art instruction, and a Woman's Dormitory and Boarding Hall. The school has a library of carefully chosen volumes of standard works of reference on science, history, biography, and literature. It has laboratory facilities for instruction in physics, zoölogy, botany, and chemistry.

The Seminary offers courses in the Academic Department, Normal Department, School of Business, School of Music, Department of Oratory, and the Art Department.

For further information and full particulars, address Grand Prairie Seminary, Onarga, Illinois.

GRAND PRAIRIE SEMINARY

ONARGA, ILLINOIS

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Elgin Academy was first opened to students December 1st, 1856, in a commodious building erected the previous year. Its charter, originally granted in 1839, was revised in 1855, and in this amended form is still in force. In 1903 it became an affiliated school of Northwestern University.

The Academy is situated in the most healthful part of the City of Elgin, a town of 22,500 inhabitants, on the Chicago, Milwaukee, and St. Paul and Chicago and Northwestern Railways, about forty miles northwest of Chicago. The campus, covering an area of four acres, presents an attractive view. The main building for the regular academic work is an imposing three-story brick structure. It is heated by steam throughout, lighted by electricity, and has the city water on two floors. The rooms are large, airy, and well lighted.

A large three-story building of brick, which was erected in 1888 through the generosity of Mrs. Vincent S. Lovell, for manual training purposes, is now used for science work and is known as the Lovell Science Hall.

This Academy offers to young men and young women excellent opportunities for a scholarly and practical education. Students are prepared for the leading colleges or for business. The surroundings are those of refinement and of Christian living. Open and frank relations are maintained between teachers and students. Instructors, whose interest in young people extends further than class-room duties, are alone secured. At no time will the Academy seek for a larger attendance than is consistent with thorough and personal work.

For further information, address Elgin Academy, Elgin, Illinois.

ELGIN ACADEMY

ELGIN, ILLINOIS

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Faculty

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ARTHUR NELSON JULIAN, A.B.....*Instructor in German*
STELLA A. TREADWELL.....*Instructor in Latin*

The University has never established a theological school under its own control, but has from the beginning recognized Garrett Biblical Institute as meeting all the needs of a theological department. There is a liberal interchange of work between the College of Liberal Arts and the Institute, and properly qualified students in either school are admitted to classes in the other without tuition fees, upon the recommendation of their respective faculties.

Garrett Biblical Institute received its charter in 1855. It is situated in Evanston, upon the University campus, and is open to young men from any evangelical church who are properly recommended as candidates for the Christian ministry. It was established especially as a seminary where young men of this class from the Methodist Episcopal Church might be educated. It is supported by income from property in the city of Chicago, bequeathed in 1853 as a perpetual foundation by Mrs. Eliza Garrett. It invites to its care and instruction young men in the Church whom God has called to be His ministers.

GARRETT BIBLICAL INSTITUTE

FACULTY

CHARLES JOSEPH LITTLE, Ph.D., LL.D., S.T.D., *Professor of Historical Theology, President*

MILTON SPENSER TERRY, A.M., D.D., LL.D., *Professor of Christian Doctrine*

SOLON CARY BRONSON, A.M., D.D., *Cornelia Miller Professor of Practical Theology, Registrar*

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NELS EDWARD SIMONSEN, A.M., D.D., *Principal of the Norwegian-Danish Theological School*

CASSIUS MARCIUS WOOD.....*Assistant Librarian*

REQUIREMENTS FOR ADMISSION

Those who enter should have a thorough preparation. This can be obtained to advantage in the College of Liberal Arts on the same campus with Garrett Biblical Institute. Graduates of approved colleges will be admitted to the degree courses upon presentation of diplomas. Students not graduates of colleges may be admitted by examination in classical and literary subjects. Applicants for admission to the Diploma Courses must present certificates from approved high schools or academies, or pass an examination in the studies prescribed by the Bishops for those who seek admission to an annual conference. See Discipline of the Methodist Episcopal Church, 1904, page 430.

Students not licensed to preach are received on the recommendation of their respective quarterly conferences, or temporarily, in failure of this, on a note from their pastor, promising the recommendation in due time. The form of recommendation authorized by the General Conference of the Methodist Episcopal Church is as follows:

We, the members of the Quarterly Conference of..... hereby express our judgment that.....is called of God to the work of the ministry, and we recommend him to the care and instruction of Garrett Biblical Institute.

Applicants from other churches will need to bring such certificates as are usually given by the denominations to which they belong. Students from other theological seminaries may be admitted on presenting satisfactory testimonials of equivalent work and honorable dismissal.

DEPARTMENTS OF INSTRUCTION

As far as possible all departments of Theological Encyclopedia are included. They are indicated in the following scheme:

Exegetical Theology

Biblical Philology—Hebrew and Greek Languages, and their cognates.

Biblical Introduction.—Canonics, Criticism, higher and lower, Sacred Literature.

Biblical Archaeology—Chronology, Ethnology, Geography, Antiquities.

Hermeneutics—(1) *General:* Study of Words, Grammatical Forms, Styles, etc. (2) *Special:* Study of Figurative Language, Parables, Allegories, Types, Symbols, Prophecy, Apocalyptics.

Exegesis—Critical and expository study of the several books of the Bible.

Biblical Theology—Development of Biblical Doctrine as distinct from Historical and Systematic Theology.

Historical Theology

Sources—Canonical and Apocryphal books of the Bible, Pseudepigraphal books, sacred books of all nations. Archæological Monuments, Patristics, Symbolics, Liturgics, and Hymnology.

External Development of the Kingdom of God—Pre-Christian History of Israel and the Nations. Patriarchal period, Mosaic, Priestly, Regal, and Prophetic development, and Post-exilian Judaism, life and work of Christ, the Apostolic Age, and ancient, mediæval, and modern periods of the Christian Church.

Internal Development—Religious life and thought of the church, its progress through the centuries, History of Doctrines, Comparative Religion and Theology, and Sociology.

Systematic Theology

Psychology, Ontology.

Apologetics.

Dogmatics.

Polemics.

Irenics.

Ethics.

Practical Theology

The Ministry as an Institution—Its calls, functions, qualifications, preparation, maintenance, perils, safeguards.

Homiletics—History, science, and art of preaching, praxis, homiletical study of great preachers.

Liturgics—Forms of worship, conduct of services, administration of the Sacraments.

Ecclesiastical Polity and Law—Forms of church government, judicial administration, discipline.

Pastoral Theology—(1) Catechetics: Training of children and probationers, educational functions of the church, Sunday-schools, etc. (2) Poimenics: Pastoral care, shepherding the flock, details of the pastoral office. (3) Church Activities: Adaptation of the machinery of the church to the existing needs, benevolent work and social life of the church, employment of lay agencies, study of other religious institutions in their relations to our own.

Halieutics—Evangelistic methods, the work of extending the Kingdom within the Christian community, missions—domestic and foreign.

COURSES OF STUDY AND GRADUATION

The courses of study offered come under two headings, Degree Courses and Diploma Courses. Candidates for the degree of Bachelor of Divinity or the diploma of the Institute must complete in residence at least one year's work of fifteen hours a week in three or more departments of the Institute as may be arranged with the approval of the Faculty. No credit is allowed in any course for work done *in absentia* or by correspondence.

Degree Courses

There are two Degree Courses: one leading to the degree of Bachelor of Divinity, the other to the degree of Doctor of Philosophy.

Bachelor of Divinity—The course for the degree of Bachelor of Divinity is a three years' course arranged for classical graduates of approved colleges. Applicants, upon registration, are required to present their diplomas. Students, not graduates of colleges, may be admitted to this course, if, by examination not later than the close of the first term, they satisfy the Faculty of their classical and literary fitness to complete it. The degree of Bachelor of Divinity is conferred upon all who complete the course to the satisfaction of the Faculty.

Candidates for the degree of Bachelor of Divinity may elect Old Testament studies in English instead of work in Hebrew. In the senior year Elocution alone is a required study.

Doctor of Philosophy—A resident course of study leading to the degree of Doctor of Philosophy is offered to college graduates under the regulations prescribed on p. 140. Of the four years required as a *minimum* for this degree, three at least must be spent in residence at a theological school of high standing, and the last two at Garrett Biblical Institute.

Diploma Courses

Students who complete one of the following courses of study, each of which requires three years of time, receive the diploma of the Institute.

The Greek and Hebrew Course—This course is intended for those who desire to read and understand the Scriptures in the original, and yet are not prepared to do the work of the Degree Course. Greek is taught during three years, beginning with the elements. Hebrew is

taught during the second and third years, beginning with the elements. The Greek class in exegesis read the Synoptic Gospels and the Acts in the Senior year. The Hebrew class read the poetical books of the Old Testament. In the other departments the work of this course is substantially the same as that for the Degree students.

The Greek and English Course—In this course English exegesis is substituted for Hebrew. It is in other respects the same as the Greek and Hebrew Course.

The English Course—In this course training in the English Language, in Rhetoric, Logic, and Psychology takes the place of the study of elementary Greek and Hebrew, and English exegesis of the Scriptures is given instead of the study of the poetical books in Hebrew and of the Synoptic Gospels and Acts in Greek. The characteristic work of this course is in charge of Professors Stuart, Hayes, and Eiselen. In the departments of Systematic, Historical, and Practical Theology, Elocution, and Sociology, the studies of the English Course are the same as in the other diploma courses.

Methods of Instruction

The method of instruction is by recitation and lectures and by free discussion. Great emphasis is laid upon instruction in elocution, a course of training extending through three years being required of all who graduate. It is confidently proposed that every student who completes this work shall acquire a correct, forceful, and graceful style.

In addition to the instruction by recitation, lectures, and free discussions in the classrooms, public lectures and addresses by distinguished persons are also given before the Faculty and students, covering all the topics which relate to the work of Christian scholars and pastors.

College graduates enjoy here exceptional advantages. In several departments, conspicuously in the Exegetical and Historical, they are formed into separate classes. They are encouraged and helped to special investigation, and receive from their professors continued personal attention in their chosen line of study. They have access, also, by the courtesy of the University, to any classes of the College of Liberal Arts for which they have time and aptitude, upon the recommendation of the Institute Faculty.

Diploma Students are accorded the largest privilege of election. They may devote their energies to the studies for which they are best adapted, assured that in either of the three Diploma Courses they will

receive thorough instruction, be held firmly to high standards, and be trained carefully for the work of the ministry.

Student Societies

During the year 1898, a Young Men's Christian Association was organized by members of the Faculty and of the student body. It is affiliated with the World's Christian Student Federation.

The Literary Department of the Christian Association of the Institute aims to stimulate theological and literary studies by exercises in composition, criticism, and extemporaneous speaking.

The Missionary Department of the Christian Association of the Institute seeks, by weekly meetings and by occasional public meetings and lectures, to promote information on Home and Foreign Missions, and to keep alive the missionary spirit among the students.

BUILDINGS AND EQUIPMENT

Libraries—The number of volumes in the Institute and University Libraries is about eighty-five thousand. Reading-rooms are connected with both libraries, and are supplied with the important dailies, weeklies, monthlies and quarterlies, in general and theological. literature.

Memorial Hall—Memorial Hall contains a large chapel, library, and reading-room, six lecture-rooms, with private rooms for professors, and fire-proof vault for valuable books and papers. Both halls are heated with steam.

Heck Hall—The rooms in Heck Hall are in suites, consisting of study, bed-room, and wardrobe, and are furnished with tables, book-cases, bureaus, stands, chairs, bedsteads, and mattresses. Students supply their own pillows, pillow-cases, sheets, bed-coverings, towels, crockery, and small articles.

FELLOWSHIPS AND SCHOLARSHIPS

Fellowship

The Faculty have recommended to the Trustees the founding of a Fellowship for post-graduate study abroad or at home. The Fellowship is to be awarded to those graduates of future classes who excel sufficiently in ability and attainments to warrant the devotion of their lives to special studies in Theology. The amount of the Fellowship will be $500.

Scholarships

The Wetherell Scholarship—This Scholarship, the gift of Mr. S. N. Wetherell, of Crown Point, Indiana, yielding an income of about $50.00 a year, is awarded annually to any student recommended by the Faculty.

The Luke Hitchcock Scholarship—This Scholarship, the gift of Mrs. E. Crane Wilson, Mrs. Charles H. Fowler, and Mrs. Archer Brown, the daughters of the late Dr. Luke Hitchcock, for many years a trustee of Garrett Biblical Institute, was provided as a memorial. The annual income, $100.00 annually, is to be given to the support of the student who shall be selected by the President of the Institute, and who shall work in some one of the City Missions in Chicago.

EXPENSES

Financial Aid

Young men who have learned to earn and save money often work their way unaided through college and the theological school. The means of self-help in and around Evanston are but casual; yet a truly earnest and persevering student, with tact and helpfulness, many times finds, and even creates, opportunities for himself. To these help is rendered as far as practicable. Some sixty or seventy appointments for preaching have been made available to competent preachers among the students. Circumstances require that promises of aid shall be made with caution, and to the extent only of the ability to meet them. The institution covets consecrated young men who never quail in the presence of difficulties, and in every practical and useful way its aim is to aid them. The Board of Education of the Methodist Episcopal Church, with headquarters in New York, renders efficient help by its judicious system of loans. The Sarah Stewart Fund, yielding four hundred dollars a year, is for the benefit of approved candidates for missionary fields.

Expenses

Tuition and room-rent are free of charge to regularly entered theological students. When occupying a room in Heck Hall, each student is charged an incidental fee of twenty dollars a year, payable half-yearly in advance, for curator's service, fuel for public rooms, and general repairs. When not occupants of Heck Hall, students pay, half-yearly in advance, a fee of five dollars a year.

NORWEGIAN-DANISH THEOLOGICAL SCHOOL
EVANSTON

REVEREND NELS EDWARD SIMONSEN, A.M., D.D., *Principal.*

This department was established to prepare men for the ministry among the Norwegian and Danish people, and offers students an opportunity to pursue theological studies in the English and Norwegian-Danish languages. The course of study extends through three years. Oral and written examinations are held at the close of each year, and those who complete the entire course in the Norwegian-Danish language are granted a certificate.

A close relation exists between Garrett Biblical Institute and the Norwegian-Danish Theological School. By an arrangement formally entered into the students of the latter school may take the entire course of study of the Institute, substituting instruction in one or more branches in their own tongue under Principal Simonsen. Upon the satisfactory completion of the course thus pursued, they will be graduated from Garrett Biblical Institute.

Students are received on the recommendation of their respective conferences. A commodious and substantial building, containing dormitories and a dining-hall, has been erected by the Norwegian and Danish people for the use of students of this department.

For information respecting the Norwegian-Danish Department, address Norwegian-Danish Theological School, Evanston, Illinois.

SWEDISH THEOLOGICAL SEMINARY
EVANSTON

REVEREND ALBERT ERICSON, A.M., D.D., *President*

This school of theology began its work in 1870 at Galesburg, Illinois. In 1882 it attained a permanent home in Evanston, where it is now established in a commodious building, and where facilities exist for obtaining access to the different departments of the University. It is under the supervision of the four Swedish Conferences in the United States of the Methodist Episcopal Church, and is the only school of its kind in that Church.

The aim of the school is to do practical work in helping young men toward success in the ministry. It was called into existence to meet the urgent and increasing demands for educated pastors and missionaries among the Swedish population in the United States, which numbers more than a million. Its course of study is broad and practical.

The Seminary is supported by the income from an educational fund, collected mainly among the Swedish Methodist churches in the Northwest.

The regular course of study in the Seminary requires four years. The progress in studies is determined by examination, both written and oral; and after a satisfactory completion of the full course students receive the Seminary diploma. There is no charge for tuition.

Students are received on the recommendation of their respective Quarterly Conferences.

For further information, address the President, Swedish Theological Seminary, Evanston, Illinois.

NORTHWESTERN UNIVERSITY SCHOOL OF ORATORY

Faculty

ROBERT MCLEAN CUMNOCK, L.H.D.....*Director*
Instructor in the Laws of Vocal Expression and Dramatic Reading, and Forensic Elocution and in Shakesperian and Bible Reading
AGNESS LAW.....*Instructor in Dramatic Action and Expression*
RALPH BROWNELL DENNIS, B.L.....*Instructor in Dramatic Art and Presentation*
CORINNE AGNES COHN..*Instructor in Didactic Reading and Personation*
ISABELLA LOVEDALE.....*Instructor in Voice Culture and Gestural Expression*
ANNA GERLS PEASE.....*Instructor in English Literature and Rhetoric*
JULIA BETH FARRELL.....*Instructor in Expressive Reading and Dramatic Training*
JOSEPHINE FRANCES MCGARRY.....*Instructor in Orthoepy and Forensic Elocution*
LAURA LEE.....*Instructor in Physical Training*

The Northwestern University School of Oratory was organized in 1878 and occupies Annie May Swift Hall on the Campus at Evanson. It is under independent management, but is in close affiliation with the University and offers the courses of Elocution given in the College of Liberal Arts. The regular course of study covers a period of two years, and offers extended and advanced training in Elocution, English, and Physical Training.

ANNUAL CATALOGUE AND REGISTER
1907-1908

CATALOGUE OF STUDENTS

1907-1908

COLLEGE OF LIBERAL ARTS

Candidates for Advanced Degrees and Other Graduate Students

FELLOWS

Baker, Louis, *German*.....*Appleton, Wis.*
A.B., Lawrence University, 1906
Cady, Gilbert Haven, *Geology*.....*Evanston*
A.B., Northwestern University, 1905
Chase, Martin Rist, *Zoölogy*.....*Toulon*
B.S., Northwestern University, 1907
Clutton, Fred Homer, *Economics*.....*New Castle, Pa.*
A.B., Northwestern University, 1907
Gibbs, Lincoln Robinson, *English Literature*.....*Alliance, O.*
A.B., Wesleyan University, 1892
Stiles, Harold, *Physics*.....*Evanston*
Ph.B., Kenyon College, 1896; A.B., Harvard University, 1903

RESIDENT GRADUATE STUDENTS

Alcock, Nathaniel, *Zoölogy*.....*Platteville, Wis.*
B.S., Northwestern University, 1907
Alman, John Earnest, *History*.....*Salina, Kan.*
Ph.B., Kansas Wesleyan University, 1907
Ayling, John Alford, *Philosophy*.....*Byron, Ont.*
B.S., Northwestern University, 1907
Baker, Margaret, *English Language*.....*Centerville, Ia.*
B.S., University of Chicago, 1898; M.S., 1902
Batterson, Elmer Samuel, *Economics*.....*Chicago*
B.S., Northwestern University, 1896; M.S., 1898
Boring, Ruth Mary, *History*.....*Chicago*
A.B., Northwestern University, 1906
Byers, Frederick McRae, *Latin*.....*Kirkland*
Ph.B., Northwestern University, 1887

Cast, Gottlob Charles, *German*.....*Dorchester, Neb.*
Ph.B., Central Wesleyan College, 1907
Coultrap, Floyd Erie, *Bacteriology*.....*Athens, O.*
Ph.B., Ohio Wesleyan University, 1904
De Vries, Louis, *German*.....*St. Louis, Mo.*
Ph.B., Central Wesleyan College. 1907
Doernenburg, Emil, *German*.....*Evanston*
Ph.B., Central Wesleyan College, 1907
Foss, Tobias, *Philosophy*.....*Evanston*
A.B., University of Norway, 1901
Grant, Clara, *English Language*.....*Winona, Minn.*
Ph.B., Northwestern University, 1896
Hall, Eleanor Jean, *Psychology*.....*Evanston*
B.S., Northwestern University, 1907
Haman, John William, *Philosophy*.....*Chicago*
Ph.M., Northwestern College, 1901
Harris, Eleanor Van Tries, *History*.....*Evanston*
A.B., Woman's College, Baltimore, 1906
Henke, Arthur William, *Philosophy*.....*Charles City, Ia.*
A.B., Charles City College, 1904
Henke, Frederick Goodrich, *Philosophy*.....*Charles City, Ia.*
A.B., Charles City College, 1897
Hochbaum, Hedwig Hermine, *German*.....*Chicago*
B.S., Northwestern University, 1904
Imus, Mabel Lola, *History*.....*Mendota*
B.S., Northwestern University, 1907
Keith, Alice, *History*.....*Kenilworth*
A.B., Northwestern University, 1907
Kracher, Francis Waldemar, *German*.....*Chicago*
A.B., Central Wesleyan College, 1905
Law, John Granville, *Philosophy*.....*Evanston*
B.S., Northwestern University, 1906
Lenhardt, Martha Lena, *English Language*.....*Elkhardt, Ind.*
B.L., Northwestern College, 1905
Lindsay, Alexander Pitcairn, *International Law*.....*Pittsburg, Pa.*
A.B., College of the Academy of the New Church, 1904
Little, Edith Regina, *French*.....*Evanston*
A.B., Wells College, 1907
McCord, Roxie Belle, *English Language*.....*Pocahontas*
A.B., Cornell College, 1903
Nagley, Frank Alvin, *Economics*.....*Sheldon*
A.B., Northwestern University, 1907
Nelson, Olof J., *Psychology*.....*South Shore, S. D.*
A.B., Gustavus Adolphus College, 1906

Nelson, Sophie May, *Greek*.....*Chicago*
A.B., Northwestern University, 1906
Newsom, Curtis Bishop, *Biblical Literature*.....*Chicago*
Ph.B., Earlham College, 1896
O'Donnell, Joseph D., *Law*.....*Chicago*
A.B., St. Ignatius College, 1905
Patterson, Charles Waggener, *Chemistry*.....*Chicago*
B.S., Northwestern University, 1901
Pugh, William Leonard, *English Literature*.....*Lenox, Ia.*
A.B., Parsons College, 1897; A.M.
Rawlins, Frances Christine, *English Literature*.....*Warren*
A.B., Northwestern University, 1902
Schryver, George Orin, *German*.....*Fisher's Landing, N. Y.*
A.B., Cornell University, 1897
Scott, Walter, *Law*.....*Chicago*
A.B., Ohio Wesleyan University, 1905
Simons, May Wood, *Education*.....*Evanston*
Ph.B., University of Chicago, 1905
Sterrett, Marion, *German*.....*Washington, Pa.*
A.B., Northwestern University, 1906
Stockley, Florence Alberta, *German*.....*Evanston*
A.B., Northwestern University, 1906
Stolz, Karl, *Hebrew*.....*Grand Rapids, Mich.*
A.B., German Wallace College, 1907
Thickstun, Hattie May, *Latin*.....*Springboro, Pa.*
A.B., Allegheny College, 1902
Tyrrell, Joseph Thomas, *Law*.....*Evanston*
A.B., St. Ignatius College, 1905
Wadsworth, Alice Emily, *Archaeology*.....*Evanston*
B.L., University of Michigan, 1895
Weum, Thurston William, *Pathology*.....*Minneapolis, Minn.*
B.S., University of Chicago, 1907
Williams, Elizabeth, *Zoölogy*.....*Chicago*
B.S., Northwestern University, 1905
Wishard, Glenn Porter, *Philosophy*.....*Evanston*
B.S., Northwestern University, 1907

NON-RESIDENT GRADUATE STUDENTS

Baldwin, Florence Gertrude, *English Language*.....*Glendale, O.*
B.L., Northwestern University, 1904
Broomhall, Edith Jane, *English Language*.....*Moline*
A.B., Northwestern University, 1898
Harris, Hugh Henry, *Philosophy*.....*Gladstone, Mich.*
B.S., Northwestern University, 1904

Candidates for a Bachelor's Degree

Aberle, Mariel Julia	B.S.		*Mansfield, O.*
Adams, Helen Elma	A.B.	17	*Belvidere*
Adams, John Winfield	B.S.		*Albany*
Alton, Edna Belle	B.S.	50	*Waucoma, Ia.*
Amidon, Amy	B.S.	75	*Vandalia, Mo.*
Anderson, Daniel	A.B.	79	*Wahoo, Neb.*
Anderson, Earl Edwin	A.B.	39	*Falconer, N. Y.*
Anderson, Ernest Emil	B.S.	101	*Donovon*
Anderson, Julia	A.B.	46	*St. Charles*
Anderson, Merl Virginia	A.B.	12	*Preston, Minn.*
Anderson, Mills Mallalieu	A.B.	44	*St. Louis, Mo.*
Armitage, Clyde Foster	A.B.	69	*Elizabeth*
Arnold, Frazer	A.B.	59	*Warsaw, Ind.*
Aspegren, Oliver Richard	A.B.	108	*Laronville, Neb.*
Atwell, Francis Charles	B.S.	10	*Evanston*
Atwell, Ruth Sarah	B.S.	12	*Evanston*
Austin, Catherine Jane	B.S.	106	*Woodstock*
Austin, Vida Almeda	B.S.	102	*Woodstock*
Babb, Alice	A.B.	73	*Aurora*
Baker, Clara Bell	A.B.	76	*Evanston*
Baker, James C	A.B.	44	*Garrett, Ind.*
Baker, Jessie Ada	A.B.	44	*Flint, Mich.*
Baker, Margaret Louise	B.S.		*Dwight*
Baldwin, Jessie Louise	A.B.	105	*Wilmette*
Balfour, Nina Ethelyn	B.S.		*Augusta*
Ball, Byron Everett	B.S.	9	*Madison, Wis.*
Ballard, Irene Elizabeth	A.B.		*Wayne*
Ballard, Virginia Sallie	A.B.		*Evansville*
Barker, Percival Howson	A.B.		*Bracebridge, Ont.*
Barlow, Mae Martha	A.B.	16	*Galva*
Barnes, Myrtie Adella	B.S.	72	*Evanston*
Barrows, Mabel Elise	B.S.	42	*Chicago*
Barry, Katherine Elizabeth	A.B.		*Sioux City, Ia.*
Barth, William Philip	A.B.		*Rock Island*
Bartlett, Lydia Anne	A.B.	83	*Evanston*
Bassett, Morton Ayres	B.S.	87	*Chicago*
Baxter, Sarah Edith	A.B.		*Elvaston*
Beale, Robert Lee	B.S.	9	*Tama, Ia.*
Beall, Homer Honeywell	A.B.		*Henry*
Beaver, Winfield A	B.S.	29	*Shermerville*
Beazley, Cora Alice	A.B.	9	*Evanston*
Becker, Agnes Elizabeth	B.S.	80	*Chicago*
Becker, Gertrude	A.B.	76	*Chicago*

Beckett, Paul Afton.....B.S.. ..... *Centralia*
Beddow, Bernice Iona.....B.S.. 27..... *Waukon, Ia.*
Beebe, Lucia Jane.....A.B.. 43..... *Chicago*
Beecher, Verne Adelbert....B.S.. 42..... *Abingdon*
Beeler, Fenna Caroline.....A.B.. 15.....*North Platte, Neb.*
Beers, Berthadell .....A.B..112..... *Holly, Colo.*
Bell, Herbert Yeomans.....B.S..105..... *Holly, Colo.*
Bell, Lewis Barclay.....A.B..103..... *Holly, Colo.*
Benson, Edna Theresa.....B.S.. 8..... *Chicago*
Bent, Ruth Ann.....B.S.. ..... *Wabash, Ind.*
Berg, William Gordon.....B.S.. .... *Chicago*
Berglund, Edward George...A.B.. 11..... *Chicago*
Berryman, Gladys Audrey...A.B.. ..... *Franklin*
Berryman, Golden Ethel.....A.B.. 46..... *Franklin*
Beverly, Floy Estelle.....A.B.. 12.....*Mason, Ky.*
Bickell, Ralph Thomas.....B.S.. 90.....*Helena, Mont.*
Bierer, Marguerite .....B.S.. 8.....*Hiawatha, Kan.*
Bigelow, Stella Imogene.....A.B..108..... *Joliet*
Bishop, Iva May.....A.B.. 82.....*Toledo, O.*
Blades, William Fletcher....A.B.. 40.....*Dubuque, Iowa*
Blake, Guy Minnich.....A.B.. 94..... *Chicago*
Bleifuss, Walter Franklin...B.S.. 48.....*Stewartville, Minn.*
Blount, Rufus Frank.....B.S.. .....*Wabash, Ind.*
Bock, Edna Wilhelmine.....A.B..123.....*St. Joseph, Mo.*
Bogardus, Emory Stephen...A.B..124..... *Belvidere*
Bohling, Bernard Stanton...B.S.. 39.....*Lewis, Ia.*
Boren, John William.....B.S.. 97.. .....*Marinette, Wis.*
Borngasser, Meta Edith.....A.B.. ..... *LaSalle*
Botkin, Anna Mae.....A.B.. 17.....*New Point, Mo.*
Bowen, Clara Florence.....A.B.. .....*Philipsburg, Mont.*
Bowlus, Claude Arch.....A.B.. .....*Lowell, Ind.*
Brackett, Robert D.....A.B.. 81.....*Sheridan, Mich.*
Braden, Edwin Stuart.....B.S..118..... *Preemption*
Bradley, Alvin Percy.....B.S.. 46..... *Evanston*
Brady, Blanche Irene.....B.S.. ..... *Chicago*
Bragdon, Sarah Frances.....A.B..107..... *Evanston*
Brenner, Ivan .....B.S.. ..... *Evanston*
Bright, Alice Elizabeth.....A.B.. ..... *Chicago*
Brinkerhoff, Tirza Evadna..A.B.. 11..... *Rockford*
Broehl, Leland Peter.....A.B.. 26..... *Pana*
Brooke, Pauline Harriett....A.B.. 16..... *Evanston*
Brotje, Gerhart John.....A.B.. ..... *Evanston*
Brown, Edith Grace.....B.S..106..... *Canton*
Brown, Elsie Miriam.....A.B..109.....*Sioux Falls, S. D.*
Brown, Ethel Elta.....B.S.. ..... *Canton*

Brown, John Roscoe.....A.B..115.....*Grant, Mich.*
Brown, Louise .....A.B.. .....*Indianapolis, Ind.*
Brownell, Baker .....A.B.. .....*St. Charles*
Bruce, Ray Forrest.....A.B.. .....*Garrett, Ind.*
Bruner, Earle Everett.....A.B.. 5.....*Rensselaer, Ind.*
Bruning, Irma .....B.S.. ..... *Havana*
Brushingham, Robert Milton.B.S.. 26..... *Evanston*
Bryan, Marie Evelyn.....A.B.. 3..... *Chicago*
Buchanan, Georgia Evangeline .....A.B.. 8.....*Independence, Ia.*
Buchbinder, Jacob Richter...A.B.. 87..... *Chicago*
Buckley, Horace Mann.....A.B..100.....*Wilmington Del.*
Burg, John Charles.....B.S.. 74..... *Evanston*
Burgess, Lucy Rich.....A.B.. 49..... *Wenona*
Burnett, Marion Eulalie....A.B.. 16.....*Aberdeen, S. D.*
Burrell, Florence Willet.....B.S.. ..... *Chicago*
Busse, Florence Ethel.....A.B..110.....*Porter, Ind.*
Butcher, Irene Louise.....A.B.. 84..... *Roodhouse*
Campbell, Alys Birdine.....A.B..104.....*Wichita, Kan.*
Campbell, Ernest Justine....A.B.. 22..... *Clifton*
Campbell, Gilbert Lewis.....B.S.. 82..... *Monica*
Campbell, Marie Louise.....A.B..103..... *Evanston*
Canfield, Wren Manley.....B.S.. .....*Murray, Ia.*
Carlson, Marie Ellen.....B.S.. 17.....*Lake Bluff*
Carpenter, Anna Zuppann...B.S..121..... *Belvidere*
Carpenter, Magdalena Towers .....A.B.. 73.....*Fargo, N. D.*
Carroll, Irene Nevada.....A.B.. .....*Hampton, Ia.*
Carter, Ruth Grace.....A.B.. 74..... *Evanston*
Carwardine, John Chester...A.B.. ..... *LaSalle*
Cater, Margaret Grace.....A.B.. 13..... *Libertyville*
Chamberlain, Faith .....A.B.. 50..... *Chicago*
Chamberlin, John Claire.....A.B.. .....*Panora, Ia.*
Chandler, Jean Forrest.....B.S.. 45..... *Chicago*
Chapin, Gertrude Frances....A.B..108..... *Chicago*
Chapman, Louise Mary.....A.B.. 35..... *Evanston*
Charles, Sherman Alexander.B.S.. ..... *Evanston*
Childs, Janet Innes.....B.S.. ..... *Evanston*
Christman, Laura Ethel.....B.S.. 66..... *Evanston*
Christopher, Alice .....A.B.. 48..... *Evanston*
Christopher, Frederick .....A.B.. 13..... *Evanston*
Clapp, Charles Russell.....B.S.. 17.....*Paw Paw, Mich.*
Clarke, Lennox Barrett.....A.B.. 47..... *Chicago*
Clay, Nelle Edith.....A.B.. 31.....*Quincy, O.*
Cockeram, Alfred Normal...B.S..106.....*Menomonie, Wis.*

Cochran, Edith Virginia.....A.B.. 66..... *Chicago*
Coggeshall, Ruth .....B.S.. ..... *Chicago*
Cole, Monroe .....A.B.. ..... *Wilmette*
Colvin, Ray Stuckey.....B.S.. 43.....*Wichita, Kan.*
Cook, Adele .....B.S.. 61..... *Chicago*
Cook, Jennie Maine.....B.S.. 81.....*Ottumwa, Ia.*
Cook, William Robertson....A.B.. 63..... *Evanston*
Cook, Lela Minerva.....A.B.. 8..... *Belvidere*
Cook, Merritt Wilson.....A.B.. 10.....*New Castle, Pa.*
Cooke, Edith Whitcomb.....A.B.. 34..... *Chicago*
Cool, Ryder Forrest.....A.B.. 9..... *Blue Island*
Cooper, Frank B.....B.S.. 7.....*Des Moines, Ia.*
Cooper, Frank Leslie.....A.B.. 76..... *Washington*
Cooper, Josephine .....B.S.. 37.....*Kenosha, Wis.*
Coutant, Leila Godfrey.....B.S.. ..... *LaSalle*
Cowdin, Mabel Palmer.....B.S..100..... *Chapin*
Cowles, Ethel Mary.....A.B.. 80.....*Burlington, Ia.*
Cowles, Eunice .....A.B..113..... *Hinsdale*
Cowles, Helen .....A.B.. 64.....*Des Moines, Ia.*
Cowley, Amy .....B.S.. 39.....*Ligonier, Ind.*
Cowley, Bess .....A.B.. .....*Ligonier, Ind.*
Crain, Castle Camille.....A.B.. 75.....*Redfield, S. D.*
Crampton, Ethel Marie.....A.B.. 12..... *Evanston*
Crawford, Alma Elizabeth...A.B.. 44..... *Ottawa*
Cromer, Charles Edolyn.....B.S.. 13.....*Troy, O.*
Crook, Jennie Cecelia.....A.B.. 15..... *Chicago*
Crossman, Lyman Teele.....B.S..102..... *Evanston*
Culbertson, John Smith.....B.S.. 78.....*Fort Benton, Mont.*
Culver, Elma Pearle.....B.S.. 98.....*Central City, Ia.*
Curme, Gertrude .....B.S..105..... *Evanston*
Curme, George .....B.S.. 87..... *Evanston*
Currier, Grace Mae.....A.B.. 11.....*Salix, Ia.*
Curtiss, George Chester.....A.B..115..... *Chicago*
Dahm, Thomas Matthew....A.B..123.....*McGregor, Ia.*
Dalbey, Louise Jeanette.....B.S.. 78..... *Taylorville*
Dale, John Theodore.....A.B.. ..... *Winnetka*
Dammarell, Milton Edwin...A.B.. 38..... *Chicago*
David, Charles Wendell.....A.B.. 85..... *Onarga*
Davidson, Marie Dorothy...A.B.. 72..... *Chicago*
Davies, Ernest Coulter.....B.S.. 25..... *Chicago*
Davis, Lucie Frances.....A.B.. .....*Drayton, N. D.*
DeBra, Blanche Katherine...A.B..108.....*Epworth, Ia.*
Dennis, Stanley Arthur.....A.B.. ..... *Winslow*
Dewey, Mabel Janet.....B.S..103..... *DeKalb*
Dickey, Gladys .....A.B.. ..... *Evanston*

Dickey, Gwendolyn	A.B.		Evanston
Dierdorff, Lee Henry	A.B.	16	Franklin Grove
Dillon, Mabel	A.B.	50	Oregon, Mo.
Dines, Charles Ross	A.B.	101	Quincy
Dines, Jean Sperry	A.B.	14	Springfield
Dolsen, Harriet Louise	A.B.	13	Elgin
Dolsen, Mervyna Barbara	A.B.	51	Elgin
Donaldson, Catherine Laura	B.S.	70	Evanston
Dorner, Pierre Lionel	B.S.	73	Evanston
Dreher, Charles Edward	B.S.		Stroudsburg, Pa.
Dudman, Jessie Gertrude	A.B.	104	Chicago
Dunbar, John Will	A.B.		Chicago
Dunham, Raymond Starr	B.S.		Chicago
Dupuis, Dollie Jeannette	A.B.	44	Savanna
Dysart, Ruth Helen	A.B.	119	Dixon
Early, Benjamin Blake	A.B.		Rockford
Ebinger, Ora May	B.S.	37	Edison Park
Eckert, Florence	A.B.	76	Mendota
Eddy, Milton Walker	B.S.	73	Medina, O.
Edwards, Ruth Eliza	B.S.	41	Pawpaw
Edworthy, Betuvia Vichery	A.B.		Solomon, Kan.
Ehmen, Emil Sebo	A.B.	47	Melvin
Elliott, Margaret	A.B.	15	Chicago
Erb, George William	A.B.		Chicago
Erwine, Samuel Dawson	B.S.		Saunemin
Esch, Irmgard Anna	A.B.	19	Chicago
Estell, Edna Williams	B.S.	44	Evanston
Evans, Donald Winslow	B.S.	57	Peoria
Evans, Earl Wesley	A.B.	62	Sidney, O.
Evans, Julia Farwell	A.B.	112	Evanston
Eygabroad, Lillie Belle	A.B.	55	Hecla, S. D.
Falley, George Frederick	A.B.	93	Evanston
Farup, Norma Irene	A.B.		Park River, N. D.
Fellows, George Warren	B.S.		Vinton, Ia.
Fellows, Ralph Waldo	A.B.	59	Vinton, Ia.
Findley, Joseph Stillwell	B.S.		Brownstown, Ind.
Finney, Stella Belle	B.S.	18	Bismarck
Fisher, Arthur Haeberlin	A.B.	72	Ottawa
Focht, Carl Francis	B.S.		Evanston
Forney, Helen Darlene	A.B.	18	Minonk
Forrey, LaJeune Churcher	A.B.	114	Evanston
Forster, Ethel Marguerite	B.S.	13	Chicago
Foster, Edith	A.B.	58	Brandon, Wis.
Foster, Gertrude Alice	A.B.	11	Chicago
Foster, Melissa Elmore	B.S.	50	Evanston

Fowler, Grace Mary.....A.B.. 76..... *Kankakee*
Fox, Amy Alice.....A.B.. 46..... *Belvidere*
Frary, Mary LaMoine.....A.B.. 14.....*Cuba, N. Y.*
Freund, Kate Eva.....B.S.. ..... *Chicago*
Frisch, John Julius.....A.B.. ..... *Chicago*
Frost, Florence Myrtle.....A.B..110..... *Evanston*
Fry, Alpheus Leland.....B.S..111.....*Jordon, Ont.*
Fudge, Caleb Stone.....B.S.. 10..... *Chicago*
Fullerton, Almeda .....A.B.. 9..... *Ottawa*
Fulmer, June .....B.S.. 79..... *Chicago*
Gage, Harriet .....A.B.. 19..... *Evanston*
Galland, Louis George.....B.S..106.....*Rosendale, Wis.*
Gamble, Gula Elma.....A.B.. 12..... *Evanston*
Gardiner, Mabel Frances....A.B.. 51..... *Evanston*
Gardner, William Eldridge..A.B.. .....*Galien, Mich.*
Garnett, Joseph Blythe.....A.B ..110.....*La Crosse, Wis.*
Garritson, Lucille .....A.B.. .....*Knightstown, Ind.*
Gates, Juliette .....A.B.. 15..... *Wilmette*
Gates, Ruth Helen.....A.B..104..... *Wilmette*
Gethman, Ella Helene.....A.B.. .....*Reinbeck, Ia.*
Gibson, Earl Stewart.....A.B . 78..... *Evanston*
Gilbertson, Celia Esther.....A.B .. 12.....*Galesville, Wis.*
Gilchrist, Mabel Ethlind.....B.S.. 93.....*Strawberry Point, Ia.*
Gilson, James Harold.....A.B.. 90.....*Newton, Ia.*
Goddard, Lotus Lucile.....A.B.. ..... *Evanston*
Goodsmith, Abbie Gertrude..A.B.. 61..... *Chicago*
Goodsmith, Winifred Pearl..B.S.. 11..... *Chicago*
Goold, Howard Ralph.....B.S..108.....*Howard, S. D.*
Gouwens, Cornelius .....B.S.. 50.....*South Holland*
Graves, Charles Arthur.....A.B.. 62.....*Harlan, Ia.*
Green, Albert Baker.....A.B..104..... *Evanston*
Green, Herbert Hollis.....B.S.. .....*London, Ont.*
Greene, Pearl Stuart.....A.B.. 79..... *Chicago*
Greenough, Frances Pearl...A.B.. 85..... *Evanston*
Greve, Carl Frederick.....A.B..112..... *Chicago*
Griffith, Randolph .....B.S.. .....*Muncie, Ind.*
Griscom, Ellwood .....B.S.. .....*Moorestown, N. J.*
Groener, Otto Emil.....B.S.. ..... *Chicago*
Grove, Isabella .....A.B.. ..... *Ottawa*
Grubb, Paul Nuzum.....B.S.. 46.....*Manston, Wis.*
Gruber, Merrill Otis.....A.B.. 54..... *Montgomery*
Gruner, Mabel Rose.....A.B.. 75..... *Speer*
Guffin, Alice Idell.....A.B.. 82..... *Geneseo*
Guffin, Lillian Irene.....B.S.. 15..... *Geneseo*
Gunder, Jeane Daniel.....A.B.. ..... *Chicago*

Guthier, Cora .....A.B.. 77..... *Chicago*
Haas, Felix Harold.....B.S..107..... *Butler*
Haefliger, Marie Madeleine..A.B.. 70..... *Princeton*
Hager, Emma Victoria Mary.A.B.. ..... *Barrington*
Haile, Charles Henry.....A.B.. 14..... *Evanston*
Haile, Clarence Edgar.....A.B..105..... *Evanston*
Haines, Sarah Elizabeth.....A.B.. 83..... *Chicago*
Hall, Emma Clodfelter.....A.B.. 51.....*Crawfordsville, Ind.*
Hall, Lysle .....A.B.. .....*Galien, Mich.*
Hallwachs, John Fred.....A.B.. 17..... *Chicago*
Halter, Albert Arthur.....A.B.. 16.....*Flucom, Mo.*
Hamilton, Margaret .....A.B.. .....*Oak Park*
Hamilton, Ruby James.....B.S.. 69.....*Atlanta, Mo.*
Hardie, Helen McQueen.....A.B.. 55..... *Evanston*
Hardy, Walter Edmund.....B.S..104..... *Sheldon*
Harker, Ralph Wackerle....A.B.. 22..... *Jacksonville*
Harris, Abram II.....A.B.. ..... *Evanston*
Harris, Clara Funke.....B.S.. ..... *Evanston*
Harris, Mame Robinson.....A.B.. .....*Fort Collins, Colo.*
Harris, William Joseph.....A.B.. .....*Allentown, Mo.*
Hart, Faye Earl.....B.S.. ..... *Chicago*
Hartman, Lorraine .....B.S.. 44..... *Chicago*
Harvey, Margaret Isabella...A.B.. 16..... *Belvidere*
Harwood, Anne Laird.....A.B..107..... *Evanston*
Harwood, Corabel Kate.....A.B... 80.....*Chicago*
Hawxhurst, Waldo .....A.B.. ..... *Evanston*
Hayes, James Juvenal.....A.B.. ..... *Evanston*
Hayes, Vera June.....A.B..109..... *Peoria*
Hayward, Ida May.....B.S.. ..... *Chicago*
Head, Cloyd Simmons.....A.B.. 72..... *Oak Park*
Heaps, Claude William.....B.S.. 79..... *Kewanee*
Hedge, Harry Malcome.....A.B.. 8..... *Chicago*
Heil, Ella Hazel.....A.B.. ..... *Highland Park*
Heist, Allen Aaron.....B.S..100.....*Middleville, Mich.*
Heller, Frederick Merwin....B.S.. .....*Myrtle, Colo.*
Hem, Estella Lilia.....A.B..100..... *Oswego*
Hennessey, Enid.....B.S..115..... *Chicago*
Henry, Margaret Carey.....A.B.. ..... *Chicago*
Hensel, Clara Belle.....A.B.. .....*Anna, O.*
Hickman, William Harrison.A.B.. .....*Ida Grove, Ia.*
Hill, Anne Herbert.....A.B.. 14.....*Waco, Texas*
Hill, Paul Kimball.....A.B.. 44..... *Chicago*
Hilton, Charles Ordway.....B.S.. ..... *Evanston*
Hobart, Chauncey Goodrich..B.S.. 76..... *Evanston*
Hochbaum, Lili Emilie.....A.B..117..... *Chicago*

Hofman, Amalia Ida.....A.B.. 75..... *Chicago*
Hogue, Edith .....B.S..102..... *Sodus, Mich.*
Holcomb, Jessie .....A.B.. 8..... *Parsons, Kan.*
Holton, Helen Lyddell.....A.B..109.....*Indianapolis, Ind.*
Holliston, Alice Viola.....A.B.. ..... *Mendota*
Honey, Ada May.....B.S.. .....*Park River, N. D.*
Hood, Pearl Beatrice.....A.B.. 14..... *Gilberts*
Hopkins, Emma Berdette....A.B.. 62..... *Independence, Ia.*
Hopkins, Irma Isabelle.....B.S.. ..... *Independence, Ia.*
Horner, Hazel Beatrice.....A.B.. 42..... *Chicago*
Horning, Dorothy .....A.B.. 70..... *Evanston*
Howard, Horace Lee.....A.B.. .....*Garfield, Wash.*
Howell, Bertha Blanchard...A.B.. 13..... *Evanston*
Hoyt, Earl Reginald.....B.S.. 15..... *Chicago*
Hufford, Clarence Valentine.B.S.. 30.....*Monon, Ind.*
Hull, Isaac Harvey.....B.S.. 74..... *Saunemin*
Hull, Mary .....B.S.. 41..... *Saunemin*
Hull, Ray LeRoy.....B.S.. .....*Hanna, S. D.*
Hummelgaard, Peter Thomas..B.S.. 46.....*Clinton, Ia.*
Hunt, Ava Farwell.....B.S.. 78.....*Blairstown, Ia.*
Hunt, Clara Louise.....A.B.. 40.....*Burlington, Ia.*
Hurford, Eleanor .....A.B..105..... *Glencoe*
Huth, Nydia .....B.S.. ..... *Chicago*
Hyde, Flora Alice.....A.B..116..... *Evanston*
Inness, Otto George.....B.S.. ..... *Chicago*
Iredale, Earl Crowther.....A.B.. ..... *Evanston*
Isaacson, Verna Leone.....A.B..115..... *Princeton*
Israel, Genevieve .....A.B.. .....*South Bend, Ind.*
Jackson, Charles Willard....B.S.. 34..... *Oak Park*
Jacobson, Edmund .....B.S..121..... *Chicago*
Jacobson, Roy Charles.....B.S.. ..... *Geneseo*
James, Thomas Burton.....A.B.. 47..... *Evanston*
Jenkins, Roger Philip.....A.B.. 6..... *Peoria*
Jenks, Alice Margaret.....A.B.. 56..... *Elgin*
Jensen, Myrtle E.....A.B.. 49.....*Aberdeen, S. D.*
Jewett, Hazel Templeton....A.B.. ..... *Evanston*
Jockisch, Albert Julius.....A.B..120..... *Decatur*
Johns, Charles Lee.....A.B..104.....*Mackay, Idaho*
Johnson, Amelia .....A.B.. .....*Blue River, Wis.*
Johnson, Anna Johanna.....A.B.. 30..... *Chicago*
Johnson, Douglas Montgomery .....B.S.. .....*St. Louis, Mo.*
Johnson, Heber Dayton.....A.B..106.....*Mapleton, Utah*
Johnson, Marcia .....B.S.. 31..... *Cornell*
Johnson, Nelson Holden.....B.S..107.....*Box Grove, Ont.*

Johnston, Alice Miriam	B.S.	15	*Ottumwa, Ia.*
Johnston, Mabel Reichard	A.B.		*Knoxville, Ia.*
Johnston, Thomas Robert	B.S.	48	*Milan*
Jolley, Arthur Thompson	A.B.	110	*Sodus, N. Y.*
Jones, Evelyn	A.B.	105	*Red Wing, Minn.*
Jones, Herbert Renfrew	B.S.		*Manhattan*
Jones, Mildred Burritt	A.B.	46	*Evanston*
Jones, Rachel Bangs	A.B.	12	*Evanston*
Jones, Rhys Price	A.B.	76	*Chicago*
Jones, William Freeman	A.B.		*Iberia, Mo.*
Kahl, DeLoss	A.B.	46	*Elburn*
Kahlo, Ethel Corinne	A.B.	12	*Evanston*
Kaye, Fanny Gladys	A.B.		*Calmar, Ia.*
Keay, William James	A.B.	6	*Denmark, Ia.*
Kelsey, Mabel Elinor	A.B.		*Linden, Ind.*
Kercher, John Wesley	A.B.	73	*Goshen, Ind.*
Kern, Geneva	A.B.	11	*Crown Point, Ind.*
Kerr, Ethel Lavina	B.S.	9	*Coldwater, Mich.*
Keyes, Marien Musgrave	A.B.	77	*Chicago*
Kierland, Alice Thora	A.B.	46	*Rushford, Minn.*
Kimple, Roxy Hortense	A.B.	25	*Corydon, Ia.*
Kindig, Avaline Hull	A.B.	14	*Rensselaer, Ind.*
King, Bertha Goodwin	B.S.	12	*Rochelle*
King, Ethel Veva	A.B.	54	*Belvidere*
King, Lora Gladys	A.B.	71	*DeKalb*
Kirkpatrick, Blaine	A.B.	61	*Raub, Ind.*
Kirkpatrick, Clara Estelle	A.B.	106	*Macomb*
Kittleman, Charles Wesley	B.S.	27	*Berwyn*
Kleiner, Helen Marie	B.S.		*Eau Claire, Wis.*
Kletzing, Kathryn Allegra	A.B.	73	*Chicago*
Kline, George Ellis	A.B.	70	*Evanston*
Knipe, Arthur Lee	A.B.		*New Hartford, Ia.*
Knox, Edith Orilla	B.S.	76	*Evanston*
Knudson, Amalie	A.B.	16	*St. Charles*
Kollman, Rose	A.B.	48	*Chicago*
Konsberg, Edna Matilde	B.S.	98	*Evanston*
Kracke, Ella Wilhelmina	B.S.	42	*Chicago*
Kraft, May L.	B.S.	50	*Evanston*
Kramer, Hilde Marie	A.B.	14	*Chicago*
Kraemer, Maude	B.S.	57	*Chicago*
Krusemark, Albert H	B.S.		*Frankfort*
Kuhlman, Mary Edna	A.B.	13	*Ursina, Pa.*
Lambert, Helen	A.B.	23	*Austin*
Lamson, Helen Luzaine	A.B.	11	*Rensselaer, Ind.*
Landsdowne, Burdette	A.B.	46	*Chicago*

Langdon, Ernest Heber	A.B.	39	*Monticello*
Langdon, Seth Chapin	B.S.		*Monticello*
Langworthy, Bessie Maude	A.B.		*Chicago*
Lapham, Martha	B.S.	50	*Chicago*
Larson, Albertine Marie Elizabeth	A.B.	95	*Kankakee*
Larson, Hattie Lucilla	A.B.	16	*Kankakee*
Larson, Hulda Louise Martha	A.B.		*La Grange*
Larson, Nellie Eugenia	A.B.	26	*Kankakee*
Laughlin, Lola Claire	A.B.	47	*St. Charles*
Layton, Warren Kenneth	A.B.	40	*Potomac*
Leacock, Lilian	A.B.		*Chicago*
LeBaron, Mabel Ruth	A.B.	100	*Evanston*
Le Cron, James Defrees	A.B.	99	*Evanston*
Lee, Edwin Ferdinand	B.S.	112	*Ossian, Ia.*
Lee, George Clinton	A.B.		*Salmon, Idaho*
Legler, Florence Anne	A.B.		*Berwyn*
Lehle, Anna Louise	A.B.	8	*Chicago*
Leigh, Maurice Chaffee	B.S.	7	*Evanston*
Lemke, Arthur William	A.B.		*Chicago*
Lemoine, Emanuel Aaron	A.B.		*Channel, Newfoundland*
Lennox, Olive Beatrice	A.B.	108	*Grand Rapids, Mich.*
Leslie, William Robert	A.B.	106	*Tolona*
Levitin, Pauline Grace	A.B.		*Chicago*
Lewis, Vernon Eddy	A.B.	70	*Fort Benton, Mont.*
L'Hote, Ray Fairman	B.S.	42	*Milford*
Lillygren, Victor Nels	A.B.		*Racine, Wis.*
Linnell, Carrie Edna	B.S.	38	*Belvidere*
Livingstone, Esther Creswell	B.S.	2	*La Crosse, Wis.*
Long, Ethel Mary	B.S.		*Dixon*
Long, Fanny Rebecca	B.S.	47	*Marengo, Ia.*
Longacre, Anna Sara	A.B.	108	*Blue Island*
Loucks, Vernon Reece	A.B.	95	*Chicago*
Lowe, Charlotte	A.B.	91	*Winamac, Ind.*
Lowe, Max Foster	B.S.	86	*Kewanee*
Lowell, Henry Parker	B.S.	40	*Somerville, Mass.*
Lowery, Charles Lawton	B.S.		*Bluford*
Lowry, Charles Doak	B.S.		*Chicago*
Luke, Edna Gertrude	B.S.	15	*Joliet*
Lundahl, Irving August	A.B.	13	*Chicago*
Lutkin, Harris Carman	A.B.	96	*Evanston*
Lynch, Josephine Florence	A.B.	15	*Evanston*
Lyon, Burke	B.S.		*Marshalltown, Ia.*
McBeth, Charles Elmer	A.B.		*Payson, Utah*

McCaffrey, Winifred Adelia.A.B.. .....*Maquoketa, Ia.*
McCarty, Carolyn Young....B.S.. 13..... *Tuscola*
McCarty, Laura Frost.....A.B..121..... *Tuscola*
McCauley, George Vest.....B.S..110..... *Evanston*
McClure, Effie Anna.....A.B.. .....*Sioux Falls, S. D.*
McClure, Charles Sherman..A.B.. 68.....*Wabash, Ind.*
McConoughey, Arthamay....A.B.. 14..... *Evanston*
McCormick, William Grover.A.B.. ..... *Tuscola*
McDonald, Ernest William..A.B..110..... *Evanston*
MacDonald, Ethel Elizabeth.A.B.. 16..... *Evanston*
Macdonald, George Buchan..A.B..106..... *Chicago*
MacDonald, James Henry...A.B.. 13..... *Chicago*
Macgregor, Margaret .....A.B.. 79..... *Evanston*
McGregor, Clara Grace.....A.B.. .....*Anaconda, Mont.*
McGrew, Lois Axtell.....A.B.. 15..... *Chicago*
McIntire, Virlon Willard...A.B.. 8..... *Potomac*
McIntosh, Eunice May.....B.S..105.....*Clear Lake, Ia.*
McKinstry, Paul Harte.....A.B.. 14.....*Fargo, N. D.*
McMullen, Margaret Eliza..A.B.. ..... *Evanston*
McOmber, May Irene.....A.B.. 18..... *West McHenry*
McPherrin, Ruth .....A.B.. 87.....*Kansas City, Mo.*
McWilliams, Edward .....B.S.. 53..... *Chicago*
McWilliams, Jennie Elizabeth.B.S.. 87.....*St. Charles*
Mamer, Peter John.....B.S.. 13..... *Odell*
Manley, Ethel Gertrude.....B.S.. 81.....*Grand Ridge*
Manley, John Alfred.....B.S.. .....*Mt. Carmel*
Marcellus, Edward Winifred.A.B.. .....*Crete, Nebr.*
Maris, Jeanne Marie.....A.B.. 15..... *Highwood*
Marsh, Clarence Stephen....A.B.. 55.....*Seattle, Wash.*
Marsh, Jesse Irving.....A.B.. 17..... *Buckley*
Martin, Amy Marguerite....A.B.. 15..... *Chicago*
Martin, Joshua Blaire.....A.B..123..... *Gifford*
Martin, Mary Hazel.....A.B.. 56.....*Aberdeen, S. D.*
Mauel, Mary .....A.B.. 81..... *Chicago*
Merritt, John Wesley.....B.S.. 36.....*Duluth, Minn.*
Merry, Glenn Newton.....A.B.. 16..... *Evanston*
Metcalf, Kate Lora.....B.S..106..... *Evanston*
Meyer, Fred Clifford.....A.B.. 60.....*Fargo, N. D.*
Meyers, Fred Charles.....A.B.. 15..... *Huntley*
Michelet, Gertrude Evelyn..B.S.. 14..... *Wilmette*
Middlekauff, Marjorie May..A.B.. ..... *Chicago*
Middlekauff, Robert Prindle.B.S.. ..... *Chicago*
Miller, Floyd Cleveland.....A.B.. 82..... *Marva*
Miller, Mabel Lucile.....A.B.. 59..... *Gilman*
Milne, Margaret Ophelia....A.B.. 34..... *Lockport*

Miranda, Max Garver	B.S.	64	*Walkerton, Ind.*
Montague, Pearl	A.B.		*Chicago*
Montgomery, Edward Garfield	B.S.	60	*Ireton, Ia.*
Moody, Edith Sarah	A.B.		*Rochester, Minn.*
Moore, Alice Lydia	A.B.		*Grayslake*
Moore, Beatrice Dingley	A.B.		*Marseilles*
Moore, Gerald Grattan	A.B.	87	*Chicago*
Moore, Vernette Belle	B.S.	56	*Grayslake*
Moore, William Warren	B.S.	13	*Evanston*
Moorehead, Helen Louise	A.B.		*Ida Grove, Ia.*
Moreland, Cornelia Veretta	A.B.	16	*Chicago*
Morris, Mabel	B.S.		*Evanston*
Mostrom, Henning Theodore	B.S.		*Clinton, Ia.*
Moulton, Everett Crockett	B.S.	12	*Ft. Smith, Ark.*
Mueller, Josephine Mary	A.B.	118	*Wilmette*
Mulder, Ritz	B.S.	73	*Rose Lawn, Ind.*
Munn, Royal Benjamin	B.S.		*Chicago*
Munyer, Abraham Elias	A.B.	30	*Chicago*
Murdock, Leila	A.B.		*Streator*
Murphy, Leonard J.	B.S.	56	*Fairland*
Nadler, Walter Herman	B.S.	16	*Peru*
Neitz, Erma Lucretia	A.B.	14	*Fairbury*
Nelson, Bert Vivian	B.S.	33	*Lincoln, Nebr.*
Newell, Florence Eleanor	B.S.	24	*Monticello*
Newhouse, Charles Russell	B.S.		*Wabash, Ind.*
Nickell, Clarence Oliver	B.S.	108	*Beatrice, Nebr.*
Nickerson, Eva Waters	A.B.	103	*Onarga*
Nickerson, Rosemary	A.B.	17	*Onarga*
Norris, John Hiram	B.S.	94	*Fairchild, Wis.*
Norris, Marion Lela	A.B.	73	*Bellaire, Mich.*
Northrup, James Whitney	B.S.	105	*Woodstock*
Norton, Julia Ellen	B.S.	49	*Evanston*
Nusbaum, Carry Mae	A.B.	50	*Middlebury, Ind.*
Nye, Frank Thomas	A.B.		*Essex, Ia.*
Nysewander, Bertha Elizabeth	B.S.	109	*Des Moines, Ia.*
Obye, Katharine Helen	A.B.	70	*Galena*
O'Connor, John Harold	B.S.		*Chicago*
O'Farrell, Thomas Arch	A.B.	101	*Pana*
Olson, Martha Geneva	A.B.		*Winona, Minn.*
Onken, Amy Burnham	A.B.	103	*Chapin*
Orem, Bernadette Rose	A.B.	120	*Chicago*
Osborne, Elsie Eleanor	A.B.	16	*Crawfordsville, Ind.*
Pace, Charles Anderson	B.S.	16	*Chicago*

Paddock, Gladys .....A.B..104..... *Prophetstown*
Palmer, Ruth Ann.....A.B.. 41.....*Algona, Ia.*
Parkinson, Martha Jane.....B.S.. 49.....*Rensselaer, Ind.*
Parks, Emma Webb.....A.B.. 9.....*Washington, D. C.*
Patton, Ambler Baxter.....B.S.. 87.....*Ogden, Utah*
Patton, Carrie Cade.....A.B.. 72..... *Paxton*
Paullin, Frances Anne.....B.S.. ..... *...Evanston*
Payer, Josephine .....B.S..110.....*La Grange*
Peck, Caro Beth.....B.S..123..... *Evanston*
Peck, Kenneth Aaron.....B.S.. 16..... *Evanston*
Pennington, Hortense .....A.B.. 43.....*Mediapolis, Ia.*
Perkins, Stella Frances.....B.S.. 51..... *Wilmette*
Perry, Maude Alice.....A.B.. 14..... *Evanston*
Perry, Pauline Virginia.....A.B.. .....*Crawfordsville, Ind.*
Peterson, Louis Heland.....B.S.. 15.....*North Judson, Ind.*
Pierce, Nelson Alfred.....A.B..106..... *Elgin*
Pierson, Florence Elizabeth..B.S.. ..... *Chicago*
Pietsch, Dorothea Johanna Sophie .....A.B..129..... *Chicago*
Piper, Robert Gregory.....A.B.. ..... *Berwyn*
Plummer, Beulah Alexia....B.S.. .....*Lowell, Ind.*
Pollock, Samuel Edgar.....A.B.. 67..... *Orland*
Poole, Frances .....B.S.. ..... *Evanston*
Pooley, Eleanor Gertrude....B.S.. 47..... *Evanston*
Pope, Charles Augustine....B.S.. 40..... *Chicago*
Pope, Edwina Lydia.....A.B.. 94..... *Evanston*
Pope, Walter Scott.....B.S.. ..... *Berwyn*
Porter, Elizabeth .....B.S.. 49..... *Evanston*
Potter, Frank Ohr.....B.S..103..... *Evanston*
Potter, Harry Rice.....B.S.. ..... *Evanston*
Powell, Alexander James....B.S.. 34. ..... *Fairbury*
Prasse, Frieda Clara.....A.B.. 36..... *Chicago*
Pratt, Allen Harlow.....A.B.. 82.....*Crofton, Ky.*
Price, Margaret Wilmot.....A.B.. 45..... *Chicago*
Prindle, Mary Louise.....A.B.. 53..... *Elgin*
Pritchard, Edith Mildred....B.S.. 34..... *Geneseo*
Proctor, Mabel Grace.....B.S.. 75.....*Arcadia, Wis.*
Pugh, Esther Armstrong....A.B.. .....*Lenox, Ia.*
Purcell, Daisy .....A.B.. 92..... *Polo*
Putnam, Persis .....A.B.. .....*Rushfield, Minn.*
Quint, Annie Laura.....A.B.. .....*Des Moines, Ia.*
Rader, Allen Ferguson.....A.B..110.....*Des Moines, Ia.*
Rae, Jennie .....A.B.. 68.....*Dow City, Ia.*
Rainbow, Elizabeth .....A.B.. 75..... *Murphysboro*
Randall, Helen Grace.....A.B.. 80..... *Huntley*

Randolph, Marie Elizabeth	A.B.		Chicago
Rape, Chester Bertram	A.B.	94	Taylorville
Rea, Edith Pansy	A.B.	13	Corydon, Ia.
Redelings, Leslie Hall	B.S.	84	Marinette, Wis.
Reed, Maude Ella	B.S.	10	Glenview
Reid, Inis Elizabeth	B.S.	8	Parsons, Kan.
Reinbold, Foy Conrad	A.B.		Judyville, Ind.
Reinhard, Katherine Josephine	A.B.	45	LaSalle
Richards, Frances Rebecca	A.B.		Evanston
Richards, Lois Williams	B.S.	48	Oregon, Mo.
Ridenour, Rachel Ruth	A.B.		Fort Wayne, Ind.
Robbins, Robert Bruce	B.S.		Tacoma, Wash.
Roberts, Edward Brown	B.S.	70	Coshocton, O.
Roberts, Eva Spray	A.B.		Evanston
Roberts, Florence	A.B.	58	Evanston
Robertson, Janet Elizabeth	A.B.	15	Chicago
Robinson, Anna Belle	A.B.		Granville
Rogers, Louis Perry	A.B.		Scales Mound
Rollins, Persis	B.S.	67	Chicago
Roosa, Omar Errol	B.S.		Traverse City, Mich.
Roudebush, Charles M	A.B.	34	Franklin, O.
Row, Gerald Gillespie	A.B.	16	Berwyn
Ruby, Clarence Stahl	B.S.		Plymouth, O.
Ryan, Charles Schelmadine	A.B.		Albert Lea, Minn.
Samson, Duane Donald	B.S.		Des Moines, Ia.
Schaeffer, William Hoyt	B.S.		Chicago
Schafer, Stella Louise	A.B.		Melvin
Schaff, Emily	B.S.	99	Chicago
Schell, Helen Henrietta	A.B.	17	La Porte, Ind.
Schell, Louise Elizabeth	A.B.	77	La Porte, Ind.
Schiltz, Mary Elizabeth	A.B.		Sigourney, Ia.
Schmidhofer, Elsa	B.S.		Chicago
Schroeder, Meta Anna Georgia	B.S.	40	Kankakee
Schryver, Florence	A.B.	47	Chicago
Schumacher, Emma Rosalie	A.B.	13	Anna
Schuster, Rudolph Samuel	A.B.	10	Chicago
Schweinfurth, Ariel Aurelius	B.S.		Chicago
Scovel, James Dean	B.S.	30	Chicago
Scudder, Marie Graves	A.B.	8	Evanston
Searles, Bertha Jane	A.B.	15	Chicago Heights
Secor, Elizabeth	A.B.	45	LaSalle
Seewald, Olga Elizabeth	A.B.		St. Louis, Mo.
Seineke, Agnes W	A.B.	85	Reedsburg, Wis.

Sellery, Gertrude .....B.S.. 44..... *Chicago*
Semans, Esther Littell.....A.B.. 12.....*Winchester, Ind.*
Shafer, Chester Arthur.....B.S.. 82.....*Diagonal, Ia.*
Shannon, Mabel .....B.S..103.....*Minneapolis, Minn.*
Shannon, Wiley James.....B.S..106.....*Minneapolis, Minn.*
Shauver, Harvey Charles....B.S.. .....*Nettleton, Ark.*
Shepherd, Brownie F.....B.S.. .....*Clinton, Ind.*
Shotwell, Elizabeth Liddell..A.B..117..... *Evanston*
Shoupe, Etta Corinne.....A.B.. 47..... *Evanston*
Shumway, John Magann.....B.S.. 65..... *Evanston*
Siberts, Winifred .....A.B..105..*Buenos Ayres, Argentine Rep.*
Sigmond, Richard O.....A.B..105..... *Chicago*
Singleton, James Herbert....B.S.. 71..... *Buckley*
Skoning, Mary Catharine....A.B.. 11..... *Elgin*
Sloane, Mary Stewart.....A.B.. .....*Maquoketa, Ia.*
Slaughter, Lois Edna.....A.B.. 43.....*Ottumwa, Ia.*
Smith, Bert Edward.....A.B.. 13.....*Suiter, O.*
Smith, Dennis Vincent.....B.S.. 76.....*Petoskey, Mich.*
Smith, Edna Joyce.....B.S.. ..... *Springfield*
Smith, Faye Elizabeth.....A.B.. ..... *Macomb*
Smith, Florence Lillian.....A.B.. 81..... *Evanston*
Smith, Frank Earl.....B.S.. .....*Seneca, Kan.*
Smith, Hassel Wendel.....B.S.. .....*St. Louis*
Smith, Helen Raymond.....A.B.. 29.....*Du Quoin*
Smith, Herbert Urban.....A.B.. 45..... *Keithsburg*
Smith, Ivan Chester.....A.B.. 71.....*Wichita, Kan.*
Smith, Jessie Anna.....A.B.. 99.....*Scottdale, Pa.*
Smith, Keith Kuenzi.....A.B.. 38.....*Garrett, Ind.*
Smith, Lois Louise.....A.B.. .....*Kansas City, Mo.*
Smith, Pearl Antoinette.....A.B.. 43.....*Spokane, Wash.*
Smith, Roland Earl.....B.S.. ..... *Sandwich*
Smothers, Edgar Raymond..A.B.. 58..... *Rossville*
Snyder, Helen Louise.....A.B..111..... *Freeport*
Sohlberg, Adolph Theodore..B.S.. ..... *Chicago*
Soltau, David Livingstone...B.S.. 73..... *Evanston*
Soltau, Theodore Stanley....B.S.. 69..... *Evanston*
Sparks, Mary Madge.....A.B.. 83.....*Marshalltown, Ia.*
Spearman, Harry Hutchinson .....B.S.. 47..... *Evanston*
Spencer, Helen Mitchell.....B.S.. 49.....*Kansas City, Mo.*
Spencer, Stephen Roswell....B.S.. .....*Rock Island*
Spencer, William Anson.....A.B.. 64.....*Roswell, New Mexico*
Spilman, Harold Augustus..B.S.. 41.....*Ottumwa, Ia.*
Springer, William Mason....B.S.. 65.....*Palmyra, Mo.*
Spry, Gladys .....A.B.. ..... *Evanston*

Spry, William Taylor.....A.B.. ..... *Evanston*
Stahl, Floyd Meloy.....A.B..103..... *Fowler*
Stansel, Belle Irene.....A.B.. 41..... *Yorkville*
Stanton, Alvord Cooper.....B.S..107..... *Richview*
Steinhilber, Frederick John..B.S.. .....*Dodgeville, N. Y.*
Stephens, Virgil Ray.....B.S..109..... *Aledo*
Sterling, Lenore Mary.....A.B.. .....*Columbus Grove, O.*
Stewart, Bertha Hartwell....A.B.. 47.....*Wichita, Kan.*
Stewart, Edith Ives.....A.B.. 16..... *Rockford*
Stewart, Louise Gertrude....A.B.. 13..... *Genoa*
Stoekle, Erwin Rudolph.....B.S.. 16..... *Aurora*
Stoll, Rhea Effie.....A.B..124..... *Chicago*
Stolp, Louise Augusta.....B.S.. 41.....*Chicago Heights*
Stonier, Bess Olive.....A.B..109..... *Toulon*
Strawson, Arthur Joseph....B.S.. 98..... *Evanston*
Strombeck, John Frederick..A.B.. ..... *Moline*
Stromberg, Alice Mae.....A.B.. ..... *Chicago*
Stuntz, Willard Glenn.....B.S.. 33.....*Panama, Canal Zone*
Sundt, Bertha Marie.....A.B.. ..*East Las Vegas, New Mexico*
Sundt, Joseph Marvin.....A.B.. ..*East Las Vegas, New Mexico*
Swan, Arthur Elvin.....A.B.. 83.....*Zumbrota, Minn.*
Swan, Herbert Siegfried.....B.S.. .....*Sioux City, Ia.*
Swaney, Bertram Garfield...A.B..119.....*Marengo, Ia.*
Swanson, Frances Susanne..A.B.. ..... *Chicago*
Sweet, Harry Vahmore.....B.S.. 42..... *Kewanee*
Sweitzer, Harry Earle.....B.S.. 15..... *Plano*
Swift, George Hamilton.....A.B.. 68..... *Austin*
Swisher, Ele D.....B.S.. 30..... *Wellington*
Tallmadge, Abby Louise.....A.B.. 93..... *Evanston*
Tanquary, Helen .....A.B.. 67..... *Evanston*
Tarkington, Esther Lucile...A.B.. 14..... *Evanston*
Taylor, Helen Carolyne.....A.B.. 73..... *Evanston*
Taylor, Leila May.....A.B.. 48..... *Chicago*
Taylor, Paul Moore.....A.B.. .....*Huntington, Ind.*
Teed, Edward .....B.S.. .....*Collins, Ia.*
Thomas, Helen Elnora.....A.B.. .....*La Grange, Ind.*
Thompson, David Grosh.....A.B.. 15..... *Evanston*
Thornton, Anna Vera.....A.B.. 16..... *Park Ridge*
Tink, Albert Edward.....A.B.. 27.....*Brooklin, Ont.*
Todoroff, Alexander .....A.B.. 43..... *Chicago*
Tonne, Franklin Dieterich...B.S.. .....*Fairmont, Minn.*
Torres, Edward .....B.S.. 15.....*S. Luis de la Paz, Mexico*
Townsend, Lowell Leslie....A.B.. .....*Remington, Ind.*
Traxler, Samantha Inez.....A.B.. 47..... *Evanston*
Tremaine, Myron D.....A.B.. 6..... *Evanston*

Trimble, Charles Garnet.....B.S.. 14.....*Red Deer, Alberta*
Troxell, Edward Leffingwell.A.B..115..... *Payson, Utah*
Tsuyeda, Shigeru .....B.S.. 96.....*Osaka, Japan*
Tubbs, Eston Valentine.....A.B.. 77..... *Rossville*
Tucker, James Dustin.....A.B.. 60..... *Harvey*
Turner, Gus Burton.....A.B.. ..... *Chicago*
Turner, Jay Boyd.....A.B..102.....*Le Roy, Ind.*
Turner, Mary Maurine.....A.B..103..... *Wenona*
Uhe, Louis August.....B.S..107..... *Winnetka*
Vail, David Linton.....B.S.. .....*Milnor, N. D.*
Vanderblue, Homer Bews....A.B.. 16..... *Chicago*
Vehe, Karl Leroy.....B.S.. ..... *Chicago*
Walker, Estella Jarrett.....A.B.. .....*Princeton, Ind.*
Wallis, Frank DeWitt.....A.B.. 36..... *Butler*
Walraven, Vera Fae.....A.B..117.....*Lyons, Ia.*
Walther, Anna Irene.....A.B.. 43.....*Oak Park*
Ward, Alice .....A.B.. 14..... *Evanston*
Wandrock, Martin Joseph...B.S.. ..... *Woodstock*
Ward, Walter Talmadge.....A.B.. ..... *Onarga*
Waring, Ruth Augusta.....A.B.. 15..... *Evanston*
Watson, Charles Hamilton...A.B.. 73.....*Monon, Ind.*
Watson, Georgia Louisa.....A.B.. 59..... *Wilmette*
Watson, James Thomas.....B.S.. 10..... *Wilmette*
Watson, Lewis Martin.....B.S.. 77.....*Monon, Ind.*
Webster, Roy Russell.....B.S.. ..... *Green River*
Wells, Alfred Burnam.....A.B.. 93.....*Maryville, Mo.*
Wells, Charles Connor.....B.S.. 72.....*Coshocton, O.*
Wendland, Charles John.....A.B.. 70..... *Chicago*
Wermuth, Arthur William...B.S.. ..... *Chicago*
Wermuth, William Charles..B.S.. 97..... *Chicago*
Wessling, Homer Luke.....B.S.. 34..... *Evanston*
Westbrook, Ira Edward.....A.B.. 41.....*Mansfield, Mo.*
Wheeler, Esther Catherine...A.B.. 48..... *Oak Park*
Wheeler, Helen Lenore.....A.B.. 56..... *Oak Park*
Wheeler, Lulu Agnes.....B.S..108.....*Detroit, Mich.*
Wheeler, Mark Hotchkiss...B.S..121.....*Eugene, Ore.*
White, Esther Lucy.....A.B.. 81.....*Hebron, Ia.*
White, Katherine Field.....A.B.. ..... *Chicago*
White, Warren Abel.....B.S.. ..... *Chicago*
Whiteside, Loring James....A.B..110..... *Evanston*
Whitmore, Bernice Breese..A.B.. 15..... *Ottawa*
Whitmore, Maude Decell....B.S.. 48..... *Ottawa*
Whitson, Thomas Merrick...A.B..101..... *Chicago*
Whitwell, Alice Ethel.....A.B.. 16.....*St. Charles*
Widney, Charles Earl.....A.B.. ..... *Melrose Park*

Wilcox, Muriel Estelle	A.B.	80	*Hammond, Ind.*
Wildt, Glen Frederick	A.B.		*Homer, Mich.*
Wilkerson, Harry Hunter	A.B.		*Roodhouse*
Wilkinson, Claudine Margaret	A.B.		*Evanston*
Willard, Marguerite	A.B.	16	*Wilmette*
Williams, Arthur	A.B.	86	*Augusta, Wis.*
Williams, Delia A.	B.S.	68	*Chicago*
Williams, Percival Lloyd	A.B.	12	*Racine, Wis.*
Willott, Gertrude Edna	A.B.		*Chicago*
Wilson, Gladys	A.B.	81	*Wabash, Ind.*
Wilson, Harriet Lincoln	B.S.	2	*DeKalb*
Winn, Grover Clark	A.B.		*Richmond*
Wire, Wesley Matthew	B.S.		*Eugene, Ore.*
Wolf, Carl Nicholas	B.S.		*Chicago*
Wood, Cyrus Boynton	A.B.	56	*Chicago*
Wood, Kathryn Mae	A.B.	79	*Belle Plain, Kan.*
Wood, William Gallaway	A.B.	54	*Chicago*
Wright, Warren A.	B.S.		*Chicago*
Yakel, Ralph	A.B.		*Rantoul*
Yaple, George Skiles	B.S.		*Virginia*
Young, Homer Harold	B.S.		*Rossville*
Young, Ina Electa	A.B.		*Chicago*
Young, Jesse	A.B.		*Rossville*
Zook, Samuel Enoch	A.B.	109	*Belleville, Pa.*

Special Students Candidates for a Degree

Baynes, Nellie Theresa	*Chicago*
Baynes, Sarah Jane	*Chicago*
Beardsley, Cornelia	*Chicago*
Bectin, Anna Elizabeth	*Chicago*
Birge, Florence Rice	*Oak Park*
Boothroyd, Elinor	*Chicago*
Bowler, Kate Elizabeth	*Chicago*
Brennen, Margaret Agnes	*Chicago*
Clarke, Hattie	*Maywood*
Close, Novella M.	*Chicago*
Crane, Gertrude	*Chicago*
Crosby, Emma Isabel	*Evanston*
Davis, Ida Harvey	*Chicago*
Duffield Alice Virginia	*Chicago*
Edenheim, Jennie Isabelle	*Chicago*
Flickinger, Lillian Cook	*Evanston*
Gall, Alice W.	*Chicago*

Hansen, Jennie ..... *Chicago*
Hotchkin, Mary ..... *Chicago*
Huggard, Margaret ..... *Chicago*
Huggard, Mary Cecelia ..... *Chicago*
Hunt, Jessie C. ..... *Evanston*
Hunt, Mabel Cleora ..... *Chicago*
Hunt, Mary Frances ..... *Chicago*
Jeffers, Elsie Thompson ..... *Chicago*
Johnston, Flora Elliott ..... *Chicago*
Kaapke, Minerva ..... *Maywood*
Kane, Annie M. ..... *Chicago*
Keary, Alice Theresa ..... *Chicago*
Kinsella, Sarah ..... *Chicago*
Loftus, Anna Margaret ..... *Chicago*
McCurrach, Jessie Burns ..... *Evanston*
McKillop, Anna ..... *Chicago*
McKillop, Elizabeth ..... *Chicago*
Maher, Hannah Josephine ..... *Chicago*
Maher, Jennie Frances ..... *Chicago*
Mohan, Mary Agnes ..... *Chicago*
Murphy, Elizabeth M. ..... *Chicago*
Neil, Jane Alice ..... *Chicago*
Norton, Marie Theresa ..... *Evanston*
Ober,, Anna Harriet ..... *Chicago*
O'Connor, Dora ..... *Chicago*
O'Neill, Mary Josephine ..... *Chicago*
Parsche, Margaret A. ..... *Chicago*
Roessler, Hanna Marguerite ..... *Chicago*
Rogers, M. Nellie ..... *Chicago*
Ryan, Elizabeth A. ..... *Chicago*
Schmohl, Flora Johanna ..... *Chicago*
Shinn, Harold Brough ..... *Chicago*
Soule, Julia Annette ..... *Grand Haven, Michigan*
Stanton, Mary Ellen ..... *Chicago*
Sullivan, Kathryn Loretta ..... *Chicago*
Sweeny, Mary ..... *Chicago*
Synon, Mary V. ..... *Chicago*
Tullis, Lelia Dell ..... *Melvin*
Tyler, Sarah Frances ..... *Chicago*

Special Students Not Candidates for a Degree

Albertson, Roy Wallace ..... *Chicago*
Baker, Alice Lillian ..... *Highland Park*

Bigelow, Marguerite Ogden ..... *Evanston*
Blackstock, Josephine ..... *Chicago*
Bowers, Margaret Thomas ..... *Evanston*
Brown, Lothrop Lee ..... *Evanston*
Brownlee, Clarence Stiles ..... *Chicago*
Buto, Ken ..... *Gumma Ken, Japan*
Byrnes, Agnes Mary Hadden ..... *Evanston*
Cady, Ruth ..... *Evanston*
Campbell, Elizabeth S. ..... *Monica*
Cummins, Mae Beatrice ..... *Chicago*
Dammarell, Anna Elvira ..... *Chicago*
Decker, Elsie Jane ..... *West Branch, Mich.*
Deremer, Anna May ..... *Bedford, Ia.*
Elliott, Mary ..... *Chicago*
Gloss, Clara Lucie ..... *Elmhurst*
Goldberg, Berthold ..... *Chicago*
Hardy, Olive A. ..... *Mankato, Minn.*
Harkness, Cornelia Virginia ..... *Chicago*
Hemman, Clare ..... *Chicago*
Hotchkiss, Mary Camilla ..... *Fox Lake, Wis.*
Johnson, George Ernest ..... *St. Paul, Minn.*
Jungeblut, William Oscar ..... *Alton*
Kaltenbrun, Carolyn Ida ..... *Wilmette*
Kennedy, William Charles ..... *Chicago*
Leich, Florence B. ..... *Genoa*
McCluskey, Kate Wisner ..... *Evanston*
Magee, Hester Laura ..... *Chicago*
Marks, Robert W. ..... *Hanna, Ind.*
Miles, Louise Minor ..... *Peoria*
Nichols, Walter Orlin ..... *Galena*
Noiri, Yoshimasa ..... *Yokohoma, Japan*
Osgood, Mary Alberta ..... *Parsons, Kan.*
Peirce, Charlotte Van Valkenburgh ..... *Evanston*
Pettit, Ethlyn Floy ..... *Chicago*
Potter, Katherine Aline ..... *Los Angeles, Cal.*
Ridlon, Margaret ..... *Evanston*
Sanders, Amy ..... *Evanston*
Schuerman, William Jacob ..... *Emporia, Kansas*
Schweinfurth, Geraldine Justina ..... *Chicago*
Sparling, James Russell ..... *Evanston*
Stewart, Montgomery Beatty ..... *Evanston*
Strawn, Margaret Stewart ..... *Evanston*
Tracy, Fred Earl ..... *Evanston*
Trotter, Mary ..... *Wayne City*
Young, Nathalie Hannah ..... *Chicago*

School of Music Students Doing Some Work in College

Collins, Florence Katherine.....*Kingfisher, Okla.*
Combs, James Arthur.....*Macon*
Corwin, Lucile Mary.....*Jamestown, N. D.*
Crafts, Alice.....*Edmundton, Alberta*
Davidson, Elizabeth .....*Evanston*
Dean, Caroline Mary.....*Nevada, Ia.*
Ewing, Edna Earl.....*Waco, Tex.*
Fisher, Bernice .....*Evanston*
Fisher, Grace Ethel.....*Chillicothe*
Foster, Cora Mabel.....*Radcliffe, Ia.*
Fox, Winifred Isabel.....*Belvidere*
Garrett, Grace.....*Tower Hill*
Gilbert, Leota .....*Pontiac*
Goble, Adele .....*Earlville*
Goodrich, Luella Eunice.....*Belvidere*
Hanna, Janet .....*Evanston*
Harrison, Hazel Ethelyne.....*Columbia City, Ind.*
Hawley, Phronia .....*Laurens, Ia.*
Kemman, Ida Sophia.....*La Grange*
Kendle, Ethel Winifred.....*Council Bluffs, Ia.*
Kendle, Faye Alta.....*Council Bluffs, Ia.*
Kennedy, Laura Dawes.....*Collins, Ia.*
King, Mary Elizabeth.....*Quincy*
Lee, Marie Louise Ninde.....*St. Charles*
Mahony, Clara M.....*Evanston*
Martin, Grace.....*Davenport, Ia.*
Mercer, Ida Emogene.....*La Moille*
Matthews, Gertrude Blanpeid.....*Cambridge, O.*
Merrill, Adaline Elizabeth.....*Evanston*
Mulholand, Elizabeth Artlissa.....*Chicago*
Nelson, Alice Elizabeth.....*Evanston*
Nelson, Grace Marie.....*Evanston*
Nichols, Mildred Gates.....*West Liberty, Ia.*
Page, Constance Virginia.....*Correctionville, Ia.*
Rhodes, Florence Louise.....*Savanna*
Ripley, Dorothy Ione.....*Burlington, Ia.*
Sims, Vivian F.....*Linton, N. D.*
Smith, Edna Olive.....*Stuart, Ia.*
Smith, Gladys Mary.....*Stuart, Ia.*
Strause, Norma.....*Columbia City, Ind.*
Sweeney, Mary Lenora.....*Pueblo, Colorado*
Ward, Lena .....*Evanston*
Young, Frank George.....*Rock Island*

Medical School Students Doing Some Work in College

Shepherd, Brownie F. ..... *Clinton, Ind.*

Law School Students Doing Some Work in College

Roberts, Ralph Roscoe ..... *Evanston*
Six, Rollo ..... *Perry*

Garrett Biblical Institute Students Doing Some Work in College

Culver, Harry Clayton ..... *Central City, Ia.*
Hollingsworth, Thomas Russell ..... *Grant City, Mo.*
Limper, Henry William ..... *Kenosha, Wis.*
Rulison, George Ledrew ..... *Chicago*
Woodmansee, Cicero M ..... *Evanston*

Academy Students Doing Some Work in College

Bragg, Laurence Dickinson ..... *Evanston*
Ballard, Rachel Starbird ..... *Chester, Ill.*
Cameron, James Robert ..... *Alexis, Ill.*
Clark, Florence Fisher ..... *Evanston*
Clark, Harold Johnson ..... *Evanston*
Cochrane, Grace Irene ..... *Chicago*
Cook, Laura Lesley ..... *Evanston*
Dadley, James Walter ..... *Paterson, N. J.*
Hanney, Virginia Veronica ..... *Chicago*
Hawley, George Cressey ..... *Evanston*
Hills, Grace Boyer ..... *Chicago*
Hobart, Marcus Hatfield ..... *Evanston*
James, Myron Everett ..... *Rochester, Ill.*
Jennings, Elmer Hayward ..... *Sterling, Ill.*
Johnson, Charles Edward ..... *Crown Point, Ind.*
Keefe, William Benjamin ..... *Evanston*
Kietzer, Edmund Ewald ..... *Chicago*
Laiblin, Martha ..... *Wurtenburg, Germany*
Lamke, Earl John ..... *Evanston*
Lee, Jesse Douglas ..... *Salmon, Idaho*
Miller, Hugh Hickman ..... *Landry Parish, La.*
Miner, Lovina Lybrand ..... *Richland Center, Wis.*
Moore, Aubrey Shannon ..... *Hendrysburg, O.*

Morrill, Louis Grant.....*St. Clair, Mich.*
Rohwedder, Toni Margaret.....*Wyoming, Ia.*
Sherman, Sara Cordelia.....*Beaumont, Tex.*
Smith, Edwin Oscar.....*Suiter, O.*
Wise, Oliver Cady.....*Maywood, Ill.*

Students in Special Courses for Teachers Not Candidates for a Degree

Allen, Phoebe.....*Allenville, Wis.*
Anderson, Matilde .....*Chicago*
Arnold, Mrs. Minnie M.....*Chicago*
Bendix, Adeline Bertha.....*Chicago*
Bode, Henrietta D.....*Chicago*
Breen, Jennie J.....*Chicago*
Cassidy, Elizabeth Veronica.....*Chicago*
Chapin, Nellie Mary.....*Chicago*
Curtiss, May E.....*Chicago*
Dammarell, Ida May.....*Chicago*
DeCew, Louisa Carpenter.....*Chicago*
DeMerse, Mary Margaret.....*Chicago*
Duffield, Grace .....*Chicago*
Duffy, Agnes Dana.....*Chicago*
Fox, Elizabeth D.....*Chicago*
Fraser, Annie Cunningham.....*Chicago*
Gallagher, Margaret Elizabeth.....*Silver Lake, Wis.*
Grill, Sophia Elizabeth.....*Chicago*
Gyles, Rose Marie.....*Dodge City, Kan.*
Hansen, Andrea Theodora.....*Norwood Park*
Harthe, Hilma Heath.....*Park Ridge*
Hutchinson, Alice Janet.....*Chicago*
Jamieson, Thomas Cumming MacMillan.....*Chicago*
Jewell, Mary Lydia.....*Evanston*
Jones, Marion L.....*Chicago*
Joyce, Alice L.....*Chicago*
Kasser, Mame Odilia.....*Elgin*
Kluge, Bruno .....*Chicago*
Learned, Mary Ada.....*Chicago*
McCorquodale, Lily Carlysle.....*Chicago*
McCutcheon, Jane .....*Chicago*
Mack, Josephine .....*Chicago*
Maier, Moses .....*Chicago*
Marine, Merle .....*La Grange*
Mason, Hallie G.....*Chicago*

Meier, Bertha ..... *Chicago*
Meyer, Magdalene ..... *Lincoln*
Moore, Della M. ..... *Ashmore*
Moore, Emma Eureka ..... *Chicago*
Mueller, Albert C. ..... *Chicago*
Myall, Charles A. ..... *Chicago*
O'Connor, Florence M. ..... *Chicago*
Quirk, Mary Elizabeth ..... *Chicago*
Root, Sarah Jessie ..... *Chicago*
Rowe, June ..... *Austin*
Roziene, Addie Eliza ..... *Chicago*
Ryan, Frances Mary ..... *Chicago*
Salter, Edith ..... *Chicago*
Scanlan, Mary ..... *Chicago*
Schilling, Alice Cornell ..... *Chicago*
Schobinger, John James ..... *Morgan Park*
Schryver, Jenny Lind ..... *Chicago*
Schupp, F. Fanchon ..... *Chicago*
Sheehan, Anna C. ..... *Chicago*
Snively, Alice F. ..... *Menomonee, Wis.*
Snively, Letitia R. ..... *Menomenee, Wis.*
Stapleton, Christopher R. ..... *Chicago*
Steiner, Pauline ..... *Chicago*
Street, Loretto Margaret ..... *Chicago*
Tanner, George Willes ..... *Faribault, Minn.*
Teeter, Robert Waldron ..... *Carbondale*
Theiss, Mary ..... *Chicago*
Thompson, Charlotte A. ..... *Austin*
Thompson, Susan Elizabeth ..... *Winamas, Ind.*
Vorsheim, Henry G. ..... *Chicago*
Watts, L. Reva ..... *Chicago*
Werkmeister, Marie Katherine ..... *Evanston*
Whitsit, Beulah ..... *Ann Arbor, Mich.*
Wright, Isabella ..... *Chicago*

Students Registered in Course in Finance and Accounting

Barber, Henri Newton ..... *Illinois*
Barlow, Simon ..... *Illinois*
Bennett, Alfred Ross ..... *Illinois*
Burnham, Hubert ..... *Illinois*
Burnham, John ..... *Illinois*
Chace, Paul Griswold ..... *Illinois*
Corkill, Paul Paschal Cervera ..... *Illinois*

Crilly, Steven A. ..... *Illinois*
Daley, Thomas Andrew ..... *Illinois*
Davies, Elmor G. ..... *Illinois*
Drummond, John McDonald ..... *Illinois*
Elliott, Fred ..... *Illinois*
Espy, Ralph E. ..... *Illinois*
Fish, Clarence Everett ..... *Illinois*
Ford, Charles Allinder ..... *Illinois*
Forstall, James Jackson ..... *Illinois*
George, Bradley Frank ..... *Illinois*
Gilby, Joseph Henry ..... *Illinois*
Gilson, James Harold ..... *Illinois*
Goetz, Albert ..... *Illinois*
Hackley, Gustavus Levant ..... *Illinois*
Harrington, Charles N. ..... *Illinois*
Harsha, Edward Houston ..... *Illinois*
Henderson, Frank Henry ..... *Illinois*
Hewitt, Norman Bailey ..... *Illinois*
Hillstrom, George Richard ..... *Illinois*
Hillstrom, Nellie Helena ..... *Illinois*
Horwich, Arthur Nathaniel ..... *Illinois*
Hubbard, Lyman Josiah ..... *Illinois*
Hults, Robert Lawrence ..... *Illinois*
Immerfall, Walter Francis ..... *Illinois*
Kraemer, Theodore ..... *Illinois*
Lake, Richard Randolph ..... *Illinois*
Langer, Charles Herman ..... *Illinois*
Luther, Clarence Job ..... *Illinois*
Mason, Frederick Henry ..... *Illinois*
Mason, William Ernest, Jr. ..... *Illinois*
Meguire, Harold Hykes ..... *Illinois*
Mitchell, Karl Maurice ..... *Illinois*
Moeller, Ernest Augustus ..... *Illinois*
Mueller, Walter Andrew ..... *Illinois*
Parker, Mortimer Brainerd ..... *Illinois*
Pollitzer, Joseph ..... *Illinois*
Rastall, Ernest Shurly ..... *Illinois*
Read, Edwin Lewis ..... *Illinois*
Renn, G. B. ..... *Illinois*
Renwick, John Stuart ..... *Illinois*
Rosenthal, Herman Leonard ..... *Illinois*
Salter, Lewis J. ..... *Illinois*
Schnoor, Bernhardt Nicholas ..... *Illinois*
Smith, Lewis Addington ..... *Illinois*

Speedie, Arthur Davis.....*Illinois*
Strohbehn, Fred Charles.....*Illinois*
Shaw, Arch Wilkinson.....*Illinois*
Staehle, Robert Hallefas.....*Illinois*
Walker, Ralph Millard.....*Illinois*
Willard, C. B.....*Illinois*
Witt, Charles .....*Illinois*

THE MEDICAL SCHOOL

Students in Regular Courses

FOURTH YEAR

Anderson, Albin Garfield, B.S., Northwestern University.....*Illinois*
Arends, Archabald Louis.....*Iowa*
Bailer, Lloyd Emerson, B.A., University of Kansas.....*Missouri*
Bambenek, John Damascus.....*Wisconsin*
Bannen, William Edward.....*Wisconsin*
Barksdale, George Holt.....*West Virginia*
Baum, Earl Lucas.....*Illinois*
Bechtel, Raymond Emil.....*Iowa*
Bernstein, Maurice .....*Illinois*
Bernstorff, Philip Herman, M.D., Lincoln Medical College....*Kansas*
Berntsen, Christian Martin.....*Illinois*
Boler, Thomas Daniel.....*Nebraska*
Bormann, George Benjamin, Ph.G., Valparaiso College.....*Illinois*
Bowers, John Thompson.....*Wisconsin*
Boyd, William Fletcher.....*Canada*
Bradley, Stephen Campbell, B.L., Ohio Wesleyan University....*Illinois*
Bronson, Frank Lloyd, B.A., University of Illinois.....*Illinois*
Brookie, Roger William.....*Indiana*
Budde, Alford Edward.....*Illinois*
Burhans, Levi Alden.....*Michigan*
Butner, Andrew Jackson.....*Illinois*
Campbell, James Edward.....*Illinois*
Condon, Joseph Redmond.....*Iowa*
Cooper, Paul Burke, Ph.G., Washington Agricultural College..*Oregon*
Coultrap, Floyd Erie, Ph.B., University of Ohio.....*Ohio*
Courtenay, Gordon Trevor.....*Illinois*
Creasy, Learner Edrington, Ph.G., Valparaiso University....*Kentucky*
Dahl, Peter I.....*North Dakota*
Dowsett, Horace .....*Wisconsin*
Eisenstaedt, Joseph Spiro, B.S., University of Chicago.....*Illinois*
Foley, Thomas Patrick.....*Illinois*
Gibbons, James Miner.....*Iowa*
Gibson, Paul White.....*Illinois*

Gillett, Arthur Ernst.....*Michigan*
Goltz, Edward Victor, Ph.G., Minnesota Institute of Pharmacy .....*Minnesota*
Gowland, Henry Edmund.....*North Dakota*
Gray, Walter Kempster.....*California*
Greer, Alvis Eugene.....*Illinois*
Griffin, George Daniel.....*Illinois*
Grosvenor, Thomas Howard, B.L., University of Wisconsin....*Illinois*
Hager, Charles Edward.....*Illinois*
Hale, Raleigh Peter.....*Indiana*
Hall, Emory Sylvester.....*Illinois*
Hallenbeck, Dorr Foster.....*Minnesota*
Harsha, William Thomas.....*Illinois*
Hartman, Evert Clarence.....*Wisconsin*
Hartsook, Francis Marion.....*Wisconsin*
Hertzler, Ralph Harold.....*Iowa*
Hewson, Wilfred John.....*Michigan*
Hinchion, Timothy Richardson.....*Iowa*
Hoffman, Ernest Herman.....*Ohio*
Hogan, John Hughes.....*Wisconsin*
Hooker, Henry Frost, Ph.G., So. Dak. Agricultural College....*Kansas*
Howg, Edwin Marius, Ph.G., B.S., So. Dak. Agr. Col...*South Dakota*
Hudson, Frederick Auld.....*Kansas*
Huff, Fred Charles, B.S., Lincoln Normal University....*South Dakota*
Huntley, Howard Benjamin, B.S., Fargo College.....*North Dakota*
Ingebretsen, Paul .....*Utah*
Johnson, Guy McKevitt, A.B., University of Michigan.....*Michigan*
Johnson, William Garfield.....*Texas*
Jordan, Albert Amos, A.B., University of South Dakota..*South Dakota*
Keeler, Elon Theodore, Ph.G.....*Iowa*
Kelly, Paul Edward.....*Illinois*
Kerrigan, John Vincent.....*Indiana*
Kerwin, John Jeremiah.....*Illinois*
Kimball, Joseph Carl.....*Illinois*
Knudson, Clarence William.....*Wisconsin*
Kriechbaum, Horace Theodore.....*Iowa*
Lynch, H. Meyer.....*Wisconsin*
Lyons, Paul D., A.B., St. Ignatius College.....*Illinois*
McCullough, Gilbert Francis, B.S., Notre Dame University.....*Iowa*
McNevin, Charles Francis, A.M., Upper Iowa University.....*Iowa*
Maghee, Griffith Holme, Ph.G., Northwestern University....*Wyoming*
Martin, Henry Bond.....*New York*
Maurer, Franklin .....*Illinois*
Mee, Lester Edwin.....*Illinois*
Mercer, Clifford David.....*Michigan*

Meyer, William Frederick.....*Wisconsin*
Miller, Ira Milton.....*Washington*
Mills, James Frederick.....*Illinois*
Morrill, Frank Gillingham.....*Illinois*
Nelson, David Roy.....*Illinois*
Noonan, John Henry.....*Utah*
Nuzum, Walter Franklin.....*Wisconsin*
Owen, Norris Tillman.....*North Dakota*
Perry, William Hillhouse.....*Illinois*
Peterson, Carl Oscar.....*Wisconsin*
Pierce, Chauncey Merrill.....*Indiana*
Poley, Clarence Leighton.....*Oregon*
Power, Francis Joseph, M.S., Notre Dame University.....*New Jersey*
Prince, George Washington.....*Mississippi*
Rasor, Claire, Ph.G., California College of Pharmacy.....*California*
Ravn, Barnje .....*Wisconsin*
Redd, James Henry.....*Kentucky*
Redman, John Edward.....*Illinois*
Reynolds, Louis George.....*Utah*
Rowe, Bert Roger.....*Illinois*
Ryan, Fred Short, B.S., University of California.....*California*
Salmon, Charles Sigmond.....*Illinois*
Sandberg, Carl Ludvick.....*Utah*
Schlapik, Alexander, M.D., Dearborn Medical College.....*Illinois*
Schmid, William Fred, M.D., Ensworth Medical College.....*Missouri*
Schmidt, Hugo Englebert.....*Wisconsin*
Schoch, Robert B. J.....*Minnesota*
Schutz, Milton H., A.B., Central Wesleyan College.....*Illinois*
Seerley, Clem Clifford, B.S., University of Iowa.....*Iowa*
Shepard, Frank Leon, A.B., Fargo College.....*North Dakota*
Smith, Frank Leroy.....*Illinois*
Solomon, Charles Henry.....*Illinois*
Sowerby, James Herbert.....*Michigan*
Stacy, George Herbert.....*Illinois*
Steer, Charles Lindley.....*Ohio*
Stevens, Burt Smith, Ph.G., Buffalo College of Pharmacy...*Wisconsin*
Steves, Bert Jerome, M.D., Chicago Homeopathic Medical College
.....*Wisconsin*
Sturdivant, B. Frank.....*Iowa*
Sutherland, Frederick Ellsworth, M.D., Chicago Homeopathic
.....*Wisconsin*
Sykes, Everett William.....*Illinois*
Tewey, Daniel Edward, Ph.G., Highland Park College of Pharmacy .....*Utah*

Thomas, Gilbert Joshua.....*Montana*
Thompson, Christopher Arnold, B.D., Iowa State Normal School.*Iowa*
Thompson, Nathaniel Alexander.....*Illinois*
Tilson, Roswell Elliott.....*Illinois*
Traub, Hugo William.....*Illinois*
Turner, John Wakeman, B.A., University of Chicago.....*Wisconsin*
Urmston, William Butterfield, M.D., Ohio Medical College.....*Illinois*
Ward, Edgar Kirby, M.D., College of Medicine and Surgery.*California*
Ward, John Milton.....*California*
Watson, Wallace Archibald.....*Illinois*
Waugh, Fred Duval.....*Illinois*
Welch, Fred Benjamin.....*Wisconsin*
White, Perry Eugene.....*Illinois*
Wiles, George Berkman.....*New York*
Wilson, George Arthur.....*Wisconsin*
Wolfer, John Adam.....*Illinois*
Woodard, Otto Willis.....*Iowa*
Worthing, Irwin Edwin.....*New York*
Wright, George Irving, Ph.G., Northwestern University.....*Oregon*

THIRD YEAR

Alexis, George .....*Louisiana*
Anspach, Royal Glenwood.....*Iowa*
Avling, Gilbert Haven.....*Illinois*
Barrows, Roy Edgar.....*Indiana*
Belting, George William.....*Illinois*
Bernard, Emil Lawrence.....*Illinois*
Bird, John Ten Broeck.....*Illinois*
Bond, Edwin Everett.....*Illinois*
Bondurant, Flint, B.S., Northwestern University.....*Illinois*
Bourdeau, Coran Louis.....*Montana*
Bousfield, Midian Othello, B.A., University of Kansas.....*Missouri*
Bowers, William Baldwin, B.Sc., Wesleyan University.....*Nebraska*
Broberg, Albert William.....*Minnesota*
Brown, William Riley.....*Indiana*
Budge, Ben Garfield, B.S., Iowa State College.....*Iowa*
Budge, Edwin Stratford.....*Idaho*
Butler, Arthur DeLyons, B.A., Northwestern University.....*Illinois*
Canavan, John Ladislaus.....*Illinois*
Carlin, Hayes William.....*Illinois*
Carson, Harry Ray, Ph.G., B.S., Valparaiso University.....*Indiana*
Charles, Thomas Goodell.....*Illinois*
Cheatham, Anderson William Peter, B.A., Fisk University....*Alabama*
Childs, Colvin Burr.....*Illinois*

Christophel, Walter B.....*Indiana*
Claridge, Ralph A.....*Wisconsin*
Collins, William Homer, B.S., Valparaiso University.....*Indiana*
Copps, William O'Keefe.....*North Dakota*
Cornett, George Walter.....*Washington*
Crowley, William Simon.....*Illinois*
Dannenberg, Bert Anderson.....*California*
Danskin, Melville George.....*Iowa*
Dardas, James Aloysius, Ph.B., St. Jerome's College.....*Michigan*
Davis, Colbert Smith, B.A., Fisk University.....*Texas*
Denny, Fred C.....*Indiana*
Devany, Andrew Joseph.....*Indiana*
Dunnington, Ruel Norman.....*Michigan*
Edmondson, Edward Everett, M.D., Eclectic Medical University.*Texas*
Eisenstaedt, Joseph, D.D.S., Northwestern University Dental School.....*Illinois*
Fischer, Haydn Lyle.....*Illinois*
Fisher, Wilhelm Rudolph.....*Kansas*
Fletcher, Arthur John.....*Ohio*
Frederich, Cleveland .....*Minnesota*
Fuerstenau, Louis Augustus.....*Wisconsin*
Gerhardt, August Edward, Ph.G., University of Illinois.....*Illinois*
Gledhill, Thomas Ray.....*Utah*
Goodwin, Aurel .....*Indiana*
Groenlund, Wilho Arvid.....*Washington*
Groom, Corwin Peter.....*Kansas*
Hamill, Claude Emmett, B.A., University of Kansas.....*Kansas*
Harlan, Noah Robert.....*Iowa*
Harris, Monroe .....*Illinois*
Healy, Michael Edward.....*Minnesota*
Hedberg, David Leonard.....*Illinois*
Henderson, John Thomas.....*Louisiana*
Hess, Emory LeRoy.....*Illinois*
Heston, Edward Calder, Ph.G., South Dakota Agricultural College .....*South Dakota*
Higgs, Walter, B.A., University of Wisconsin.....*Indiana*
Hills, Lester Harper.....*Illinois*
Holzhauer, Frank Arthur, B.S., Valparaiso University.....*Ohio*
Hutchinson, Barzilla Milton.....*Indiana*
Hutchinson, George Archibald.....*Illinois*
Jeppson, Otto Heber.....*Utah*
Jones, Daniel Dailey.....*Ohio*
Jones, Harold E.....*Illinois*
Jorgenson, Neil .....*California*

Kelly, Philemon Merrill.....*Utah*
Kern, Henry William.....*Illinois*
Kienzle, Francis Constantine.....*Illinois*
King, Jesse Earl.....*Texas*
Landgraf, John William.....*Illinois*
Larson, Joseph Emanuel.....*Kansas*
Lepak, Frank John, B.S., Ph.G., Valparaiso University.....*Minnesota*
Lindsay, Arthur Robert.....*Illinois*
Linn, Hugh Harrison, B.S., Simpson College.....*Iowa*
Lundberg, Frank Anthony, B.A., Fort Worth University.....*Texas*
Lyons, Edward Walsh.....*Illinois*
Magee, Emery Ernest, B.D., Iowa State Normal School.....*Iowa*
Marshall, George Lyman, B.A., Miami University.....*Illinois*
Martin, Dale L.....*North Dakota*
McCabe, Walter Wallace.....*Montana*
McClanahan, James Harold, B.A., Monmouth College.....*Illinois*
McClure, William Leander.....*Washington*
McDowell, Anderson Eddie.....*Washington*
McGee, Harry .....*Illinois*
Melzer, Simon W., Jr.....*Wisconsin*
Minter, John Mills.....*Illinois*
Mix, Harry Collin.....*Illinois*
Moore, William Nelson.....*Wisconsin*
Mountford, George Thomas.....*Dakota*
Neumann, Conrad Allen.....*Minnesota*
Nystrom, Elmer Edwin.....*Illinois*
Oberman, Abraham Max.....*Illinois*
Openshaw, Clarence Roy.....*Utah*
Panter, Samuel Goodall, Ph.G., Creighton College of Pharmacy
.....*Nebraska*
Pelton, Ora Levant, Jr.....*Illinois*
Pence, John Robert.....*Iowa*
Peterson, Henry Lawrenzo.....*Minnesota*
Plummer, William Albert.....*Minnesota*
Pond, Casper Whittle.....*Idaho*
Prudden, Clyde Edward.....*Minnesota*
Rabe, Otto John, B.S., Valparaiso University.....*Indiana*
Ray, Fred Merton.....*Indiana*
Relihan, Harry James, B.A., University of Kansas.....*Kansas*
Rhodes, Thomas Whitson.....*Tennessee*
Richman, Samuel Herbert.....*Illinois*
Roberson, William Harrison.....*Illinois*
Seydell, Ernst Morris.....*Illinois*
Shackleton, William E.....*Michigan*

Simon, George Hermann.....*Minnesota*
Slinde, Arthur Christian.....*Wisconsin*
Spurck, Peter Thomas.....*Illinois*
Stearns, Robert Wilson, B.S., University of Iowa.....*Iowa*
Supple, Arthur Blaise.....*Illinois*
Trace, Isidore .....*Illinois*
Trombley, Frank Fillion.....*Michigan*
Vanatta, Frank Cline.....*Iowa*
Van Pelt, Roscoe Samuel, B. A., Northwestern University....*Illinois*
Wade, Benjamin Newton.....*Minnesota*
Wall, Cornelius Walter.....*Kansas*
Wanninger, Wenzel Joseph.....*Wisconsin*
Welker, Charles J., Ph.G., University of Illinois.....*Illinois*
Willett, Frederick Ewing, B.S., Colorado College.....*Iowa*
Williams, Herbert Lewis.....*Illinois*
Woolley, Hyrum Smith, Jr.....*Idaho*
Worrell, Ralph Eugene.....*Illinois*

SECOND YEAR

Andrus, Andellon Devilla.....*Wisconsin*
Angel, LeRoy Elbert.....*Nebraska*
Apfelbach, George Leonard.....*Illinois*
Barton, Hugh Pierce.....*Iowa*
Beard, Guy Edward.....*Illinois*
Bennett, Cornie .....*Illinois*
Blumenkranz, Louis .....*Illinois*
Bronson, Walter Teed.....*Illinois*
Bryant, Henry Clay, B.A., Fisk University.....*Alabama*
Burke, John James.....*Wisconsin*
Campbell, Claude Melville.....*Minnesota*
Chamberlain, Edwin Frank.....*Utah*
Coffey, Robert Canhoun, B.S., Northwestern University.....*Illinois*
Conyers, Chester .....*Illinois*
Culbert, Milo Herman.....*Indiana*
Davenport, Frank Noble.....*Illinois*
Deason, Frank Wilhelm.....*North Dakota*
Dishmaker, Dana .....*Wisconsin*
Donahue, William Edward.....*Wisconsin*
Dumke, Ezekiel Ricker.....*Wisconsin*
Emmett, Walter Rollo.....*Utah*
Erdlitz, Frank Joseph.....*Michigan*
Farnham, Waldo Clay.....*Ohio*
Finegan, Thomas Francis.....*Illinois*

Flath, Milford Garbutt.....*North Dakota*
Foster, Jess Walter.....*Iowa*
Frazier, Charles, B.S., Purdue University.....*Indiana*
Freisen, Henry Jacob, B.S., Northwestern University.....*Minnesota*
Gessner, Frederick William.....*Oklahoma*
Gregory, James Townsend.....*Illinois*
Hall, Frank Wilford.....*Illinois*
Hankee, Paul Richard.....*Wisconsin*
Hartnagel, George .....*Indiana*
Hefty, Clarence Arthur.....*Wisconsin*
Hendrickson, Herman .....*Illinois*
Henney, Charles William.....*Iowa*
Herschleder, Max .....*Illinois*
Hodge, Stanley Vincent.....*Illinois*
Holgate, Ralph Carlton.....*Montana*
Holmes, William Henry.....*Illinois*
Holmgren, Kunt David.....*Sweden*
Hostetter, John Hull.....*Iowa*
Huber, Joseph Emil, Ph.G., Philadelphia College of Pharmacy..*Illinois*
Jirka, Frank Joseph.....*Illinois*
Johnson, Cecil Emerson.....*Iowa*
Johnson, James Andrew.....*Wisconsin*
Joslyn, Leslie Burritt.....*Illinois*
Juhnke, Leo Antony.....*Illinois*
Kanzler, Reinhold .....*Nebraska*
Keener, Albert Chester.....*Illinois*
Kennedy, Clarence James, M.S., Notre Dame University.....*Indiana*
Kirmse, Alvin .....*Wisconsin*
Knauf, Arthur John.....*Wisconsin*
Lancaster, Jesse Samuel.....*Nebraska*
Lazarski, Boleslaw Karl.....*Illinois*
Leahy, Paul James.....*Ohio*
Leahy, Thomas Murray.....*Ohio*
Lindsay, William Carroll.....*Wisconsin*
McCauley, William Bernard.....*Iowa*
McKinley, James Joseph.....*Illinois*
Maley, George Elzear, B.S., Knox College.....*Illinois*
Malotte, Karl Raymond.....*Missouri*
Maynard, Carl Wesley, B.A., Morningside College.....*Iowa*
Migely, Walter Louis, M.D.C., Chicago Veterinary College....*Illinois*
Miller, Samuel T.....*Iowa*
Moore, George Shepperd, B.A., Fisk University.....*Tennessee*
Moore, Homer Frank.....*Illinois*
Mowry, William Atwood.....*Illinois*

Myers, Louis ..... *Illinois*
Naegeli, Frank, B.A., Northwestern College ..... *Minnesota*
Nelson, John Ernest ..... *Nebraska*
Nix, Milton A ..... *South Dakota*
Nolan, Thomas James, Ph.G., Northwestern University School of Pharmacy ..... *Illinois*
O'Neil, Christopher Sager ..... *Illinois*
Parker, Harry Couter ..... *Indiana*
Parker, Ross Morris ..... *North Dakota*
Parkinson, George Taggart ..... *Utah*
Pfeiler, Adam George, Jr ..... *Wisconsin*
Plenz, Henry John ..... *Illinois*
Porter, John Rice ..... *Illinois*
Preston, Frenn Lesley ..... *Michigan*
Quillin, Laurence J ..... *Nebraska*
Reedy, Philip Patrick Graham ..... *North Dakota*
Rheim, John Emmett ..... *Montana*
Ristine, Earl Francis ..... *Missouri*
Roberts, Edward Neuman ..... *Illinois*
Robinson, Henry James ..... *Illinois*
Roemisch, Albert J ..... *Illinois*
Rogde, Jacob ..... *Illinois*
Rush, Eugene Alphonsus, Ph.G., Notre Dame University ..... *Illinois*
Schleuter, Reinhold ..... *Illinois*
Seymour, William Augustus ..... *Wisconsin*
Smith, Joseph Neelands ..... *Canada*
Snyder, Karl Avery ..... *South Dakota*
Sparling, James Lyons, B.A., Northwestern University ..... *Illinois*
Stauffer, Leslie John ..... *Minnesota*
Tollefson, Adolph Dahl ..... *Illinois*
Trainor, Clarence Alfred ..... *Illinois*
Vallely, John Linton Joseph ..... *Illinois*
Van Dellen, Alfred Lubbert ..... *Illinois*
Van Doren, Raymond Fleming ..... *Illinois*
Violet, Josiah Claire ..... *Iowa*
Volin, H. Porter, Ph.G., So. Dak. Agricultural College ..... *South Dakota*
Waugh, Willard Walton ..... *Indiana*
Wayson, Newton Edward, B.S., John Hopkins University ..... *Maryland*
Weber, Arthur Leo, B.A., McKendree College ..... *Illinois*
Wendt, Alfred ..... *Illinois*
Whiting, William Thomas, Jr ..... *Illinois*
Young, Will ..... *Wisconsin*

FIRST YEAR

Abbott, William Robert.....*Illinois*
Allison, Harold T., Ph.G., So. Dak. Agricultural College.*South Dakota*
Alyea, Oliver Edmond.....*Illinois*
Anderson, Harry J.....*Missouri*
Apple, William Rufus.....*Illinois*
Armstrong, Walter Waldo.....*Ohio*
Arndt, Henry William.....*Minnesota*
Ausman, Carl Freaderick.....*Wisconsin*
Benyas, Nathan Morris.....*Wisconsin*
Best, Floyd Ellsworth.....*Illinois*
Blahnik, Karel Bartholomae, Ph.G., University of Illinois.....*Illinois*
Bly, Frederick Harvey, B.A., De Pauw University.....*Illinois*
Boon, Alfred Henry.....*Illinois*
Boyden, Guy Lee, B.S., So. Dak. Agricultural College....*South Dakota*
Brian, Frederick Willard, B.S., Illinois Wesleyan University...*Illinois*
Brown, Eugene Harold.....*Colorado*
Brown, Vivus William.....*Wisconsin*
Buchbinder, Jacob Richter.....*Illinois*
Campbell, Guy Edward.....*Minnesota*
Carney, Walter Willis.....*Kansas*
Christiansen, George .....*Wisconsin*
Cole, Harrold Paul.....*Iowa*
Collins, Francis Augustine.....*New York*
Condon, Joseph John.....*Indiana*
Connell, John .....*Iowa*
Connolly, William Francis.....*Iowa*
Crow, Lloyd Benjamin.....*California*
Cruz, Adriano Talbos.....*Philippine Islands*
Dammann, Martin Fred.....*Iowa*
Deal, John Francis Henry.....*Illinois*
Diers, Henry Frederick.....*Nebraska*
Dubsky, Frank John, Ph.G., N. U. School of Pharmacy.....*Illinois*
Empie, William Maxwell.....*Illinois*
Ferguson, James Robert.....*Nebraska*
Fitzgerald, Edward Alexander.....*Illinois*
Fountain, Edwin Ray, B.A., University of Oregon.....*Oregon*
Frazin, Nathaniel Daniel.....*Illinois*
Frey, Arthur Garfield, B.A., Valparaiso University.....*Illinois*
Fry, John Lewis.....*Illinois*
Galbraith, Russell Sheridan.....*Indiana*
Ghent, Charles Harry.....*Illinois*
Gillette, Charles Lupton.....*Iowa*
Given, Milton .....*Indiana*

Glafke, William Harley, B.A., University of Oregon.....*Washington*
Goldfine, Ascher Harris C.....*Illinois*
Gunderson, Harley James.....*Wisconsin*
Gutierrez, Perpetuo Dionisio.....*Philippine Islands*
Hall, Clarence Walter.....*Illinois*
Hamilton, William Forrest.....*Illinois*
Heffron, Edward Lancaster.....*Illinois*
Henkel, Herbert Bailey.....*Illinois*
Hester, Ralph Nelson.....*Illinois*
Hoesley, Henry Franklin.....*Illinois*
Hofmann, Henry .....*Illinois*
Hofrichter, Joseph .....*Illinois*
Hole, Melvin Leo.....*Illinois*
Isherwood, Paul Alonzo.....*Illinois*
Itnyre, Henry Porter.....*Illinois*
James, Harry Lorenzo.....*Illinois*
James, William Alfred.....*Illinois*
Johnson, Louis Campbell.....*Illinois*
Jones, Jay Glen.....*Ohio*
Jordan, John Henry.....*Iowa*
Kackowski, Joseph Charles, Ph.G., N. U. School of Pharmacy..*Illinois*
King, William Scott.....*Illinois*
Lacey, Martin J., Ph.G., University of Washington.....*Washington*
Lake, Gleason Chandler, B.A., Colorado College.....*Kansas*
Leaf, Hugh Mack.....*Illinois*
Lee, William Andrew, A.B., Central Normal College.....*Illinois*
Leininger, Elmer Clyde.....*Indiana*
Look, Sylvester George Benjamin Franklin.....*North Dakota*
Mabee, Melbourne .....*Wisconsin*
Magnus, Adolph Marinius.....*Norway*
Mahin, Henry Melvin.....*Kansas*
Marks, Harry Ludwig.....*Illinois*
Mason, William Michael.....*New York*
McGuire, Edward J.....*Vermont*
McKinney, Frank Stewart, B.A., Illinois College.....*Illinois*
Meixner, Fred Morris, Ph.G., University of Illinois.....*Illinois*
Mendelson, Ralph Waldo.....*Colorado*
Merbitz, Martin Henry.....*Illinois*
Moore, Everett .....*Iowa*
Morris, Iver Hugh.....*Illinois*
Moyes, George Gowans.....*Utah*
Murphy, Lea Marion.....*Minnesota*
Nardi, John Baptist.....*Illinois*
Neilson, Moses Marion.....*Utah*
Newton, Abe Mark.....*Illinois*

Nyberg, Charles Robert.....*Minnesota*
O'Donoghue, Thomas Joseph.....*Ireland*
Patejdl, James, Ph.G., University of Illinois.....*Illinois*
Peoples, Edward Lewis.....*South Dakota*
Pitts, Gaylord Eugene.....*Wisconsin*
Power, George E.....*Minnesota*
Power, Walter Francis.....*Washington*
Rainey, Warren Robert.....*Illinois*
Rex, Clarence R., Ph.G., Northwestern University.....*Ohio*
Ritze, John Adam.....*Missouri*
Roche, Arthur Phillip.....*Illinois*
Rolnick, Harry Charles.....*Illinois*
Ross, Hiram Earl.....*Illinois*
Rowley, Fred Jerome.....*Illinois*
Rudolph, Louis .....*Illinois*
Rust, Franklin Martin.....*Wisconsin*
Salter, Ney Milton, B.S., Hedding College.....*Illinois*
Scharfenstein, Charles Fred.....*Wisconsin*
Schnoor, Elmer Wellpott.....*Nebraska*
Schultz, Albert Andrew.....*Iowa*
Schulz, Otto Henry, D.D.S., Northwestern University.....*Illinois*
Schurmeier, Henry Leach.....*Illinois*
Schwerdtfeger, Frank D.....*Iowa*
Schreffler, Arthur Lee.....*Illinois*
Sincock, Henry Arthur.....*Minnesota*
Sissakian, Kerope Hartin, B.A., Roberts College.....
.....*Constantinople, Turkey*
Smith, Clyde Tennyson.....*Utah*
Sorgatz, George Frederic.....*Kansas*
Stelter, Emil Joseph.....*Illinois*
Stranberg, Walter Leonard.....*Illinois*
Stuhr, Walter Anthony, B.Sc., D.V.M., Iowa State College.....*Iowa*
Sunkowski, Leonard Sylvester.....*Illinois*
Sutton, Don Carlos.....*Illinois*
Tressel, Henry Arthur.....*Indiana*
Van Rie, Leo Paul, Ph.G., Notre Dame University.....*Indiana*
Vaughan, Orley Mason.....*Michigan*
Vaughan, Willard Robert.....*Michigan*
Vermeer, Gerrit Edward.....*Iowa*
Walsh, Thomas Burke.....*South Dakota*
White, Andorn Isaac.....*Illinois*
Wiley, Charles Raymond.....*Illinois*
Williams, Percival Milton, Ph.G., B.S., South Dakota Agricultural College.....*South Dakota*
Woodward, Asa George.....*Montana*
Wright, Edward Blake.....*Canada*

Unclassified Students

Ackermann, Harry W.....*Illinois*
Barth, Henry Nicholas.....*Illinois*
Behrendt, Edmond Adelbert.....*Illinois*
Bell, Herbert Yeomans.....*Colorado*
Bell, Lewis Barclay.....*Colorado*
Bernard, William Ernest.....*Illinois*
Bernhardt, Harry Bernard.....*Illinois*
Bernhardt, John .....*Illinois*
Bieber, Karl August.....*Kansas*
Blattspieler, Arnold Charles.....*Iowa*
Bonthius, Andrew, B.S., Northwestern University.....*Illinois*
Boren, John William.....*Wisconsin*
Brakebill, M. L., A.B., Baker University.....*Oklahoma*
Brock, George William.....*Illinois*
Brown, Ben .....*Illinois*
Brown, Elvin Otis.....*Illinois*
Brown, Stanley Lee.....*Michigan*
Brunner, Robert Jacob.....*Iowa*
Bundesen, Herman Neils.....*Illinois*
Buster, Harry Cryndlon, A.B., Fisk University.....*Tennessee*
Clayton, George Raymond.....*Indiana*
Clossen, Charles Logan.....*Iowa*
Collins, William Thomas.....*Michigan*
Connrardy, Jack W.....*Iowa*
Countryman, Baker Amos.....*Kansas*
De Wane, J. C.....*Wisconsin*
Falk, Victor S.....*Wisconsin*
Feldman, Barney .....*Illinois*
Fitzpatrick, Matthew Joseph.....*Iowa*
Goll, Charles George.....*Ohio*
Greenbaum, George B.....*Illinois*
Hamilton, Benjamin Charles.....*Iowa*
Hammer, Arthur Wesley.....*District of Columbia*
Hanson, David Thomas, B.S., Northwestern University.....*Illinois*
Harlan, Lee Henry, A.B., Roger Williams University.....*Mississippi*
Hartigan, Eugene Laurence, B.S., Ph.B., University of Chicago.*Illinois*
Heller, Frederick Merwin.....*Coloraao*
Hickman, Charles Stephen.....*Iowa*
Juvinall, James Matthew.....*Illinois*
Kirby, Oliver C.....*Illinois*
Kreuscher, Philip Hendrix.....*Nebraska*
Lane, Harold Clifford.....*Iowa*
Lang, Oscar Frederick, B.S., Valparaiso University.....*Minnesota*

Lazarus, Myron ..... *Illinois*
Leighton, Isaac Wellman ..... *Iowa*
Love, Raymond Stanley ..... *Kansas*
Mason, Everett L. ..... *Wisconsin*
McGuinn, Frank T. ..... *Illinois*
Mueller, Albert H. ..... *Minnesota*
Neal, John Ross ..... *Illinois*
Newell, Howard Heg ..... *Wisconsin*
Newell, Harris Andres ..... *Iowa*
Newman, John Henry ..... *Iowa*
Nilsson, Frederick Cornelius ..... *South Dakota*
Reagan, C. O. ..... *Illinois*
Riley, William J. ..... *Wisconsin*
Ross, Wilbur Wesley ..... *Illinois*
Schaefer, John Ferdinand ..... *Wisconsin*
Seeger, Stanley J. ..... *Illinois*
Towne, Laurence Chatfield ..... *Wisconsin*
Trekell, Emery ..... *Michigan*
Trimmer, Frank Miller ..... *Kansas*
Voss, Fritz, Ph.G., University of Illinois ..... *Illinois*
Weaks, P. Earl, Ph.G., Louisville College of Pharmacy ..... *Kentucky*
Weum, Thurston William, B.S., University of Chicago ..... *Minnesota*
Whipps, Charles E. ..... *Illinois*
White, Seward H. ..... *Iowa*

Special Students

Barney, Reuben, M.D. ..... *Illinois*
Blake, R. ..... *Illinois*
Brandon, Palmer Edwin, M.D. ..... *South Dakota*
Camp, Foster Kendrick, M.D. ..... *Illinois*
Connor, William Henry, M.D. ..... *Illinois*
De la Paz, Daniel ..... *Illinois*
De Leon, J. V. ..... *Illinois*
Dohearty, Frank P., M.D. ..... *Wisconsin*
Donovan, M.D. ..... *Illinois*
Dwan, Leo Garnett, M.D. ..... *Illinois*
Edgar, Thomas Oscar, M.D. ..... *Illinois*
Epstein, W. G. ..... *Illinois*
Gerald, Sister Mary ..... *Colorado*
Goldberg, J. A. ..... *Illinois*
Gossard, Jesse Earl, M.D. ..... *Ohio*
Gustine, C. C. ..... *Illinois*
Hooper, J. M., M.D. ..... *Illinois*
Kelley, Laurence Elam, M.D. ..... *Wisconsin*

Krause, L. ..... *Illinois*
Langdon, S. A. ..... *Illinois*
Lemmon, W. F. ..... *Illinois*
Middleton, A. B., M.D. ..... *Illinois*
Miller, L. B. ..... *Illinois*
Mitchell, N. L. ..... *Illinois*
Neri, Sister Philip ..... *Colorado*
O'Neil, J. H. F., M.D. ..... *Illinois*
Pihlfeldt, E. R. ..... *Illinois*
Reyes, C. M. ..... *Illinois*
Rosenheimer, Max, M.D. ..... *Wisconsin*
Sampsell, J. B., M.D. ..... *Illinois*
Samson, B. O. ..... *Illinois*
Sandstrom, O. ..... *Illinois*
Santos, G. C. ..... *Illinois*
Schaefer, Minnie ..... *Wisconsin*
Stiehl, W. J. ..... *Illinois*
Stubenrauch, G. J. ..... *Illinois*
Wheeler, Roy M., M.D. ..... *Illinois*
Wilson, Horace P., M.D. ..... *Iowa*

Northwestern University Training School for Nurses

Adams, Edna ..... Wesley ..... *Iowa*
Ayers, Anna ..... Provident ..... *Virginia*
Baker, Augusta ..... Wesley ..... *Canada*
Barton, Mabel Clara ..... Wesley ..... *Illinois*
Baucher, Mary ..... Mercy ..... *Illinois*
Becker, Florence ..... Mercy ..... *Michigan*
Bell, Manetta ..... Wesley ..... *Iowa*
Blank, Hattie ..... Wesley ..... *Illinois*
Brand, Edna ..... Wesley ..... *Canada*
Claridge, Mae ..... Wesley ..... *Wisconsin*
Clark, Content ..... Wesley ..... *Illinois*
Cogdell, Dixie ..... Mercy ..... *Kansas*
Condell, Elizabeth ..... Wesley ..... *Kansas*
Cowan, Viola ..... Provident ..... *Arkansas*
Crawford, Laura ..... Wesley ..... *Iowa*
Deach, Grace ..... Wesley ..... *Illinois*
Emery, Isabel ..... Englewood ..... *Illinois*
Ennis, Ethel ..... Wesley ..... *Illinois*
Erbe, Emily ..... Wesley ..... *Illinois*
Ferguson, Edna ..... Wesley ..... *Canada*
Foley, Mae ..... Mercy ..... *Iowa*

Gilkerson, Bessie	Wesley	*Illinois*
Greene, Mayme	Mercy	*California*
Hall, Anna	Wesley	*Illinois*
Hannon, Mary	Mercy	*Wisconsin*
Heffernan, Alice	Mercy	*Illinois*
Horan, Agnes	Mercy	*Illinois*
Hotchkiss, Susie	Englewood	*Michigan*
Jackson, Helen	Wesley	*Iowa*
Jackson, Mary	Provident	*Wisconsin*
Kettering, Violetta	Wesley	*Illinois*
Killingsworth, Virginia	Wesley	*Iowa*
Kilroy, Louise	Mercy	*Canada*
Kolpacka, Anna	Mercy	*Wisconsin*
Lepfer, Clara	Mercy	*New Mexico*
Lofland, Ida	Wesley	*Illinois*
Mackey, Rose	Mercy	*Illinois*
Mackie, Pearl	Mercy	*Michigan*
Mathis, Daisy	Wesley	*Illinois*
McCleery, Ada Belle	Wesley	*Iowa*
McConnell, Beulah	Provident	*Illinois*
McDonald, Clara	Mercy	*Wisconsin*
McKay, Belle	Mercy	*Illinois*
Meyers, Blanche	Wesley	*Iowa*
Moore, Edith	Englewood	*Wisconsin*
Moore, Leone	Mercy	*South Dakota*
Mortimer, Mae	Mercy	*Illinois*
Murray, Vera	Wesley	*Illinois*
Neary, Ruby	Mercy	*Iowa*
Neff, Irman	Wesley	*Indiana*
Partenheimer, Loretta	Mercy	*Illinois*
Peterson, Lydia	Wesley	*Wisconsin*
Pfantz, Edna	Wesley	*Iowa*
Pratt, Caroline	Provident	*Mississippi*
Rellis, Catherine	Mercy	*Illinois*
Rest, Rozalla	Wesley	*Iowa*
Ryan, Juno	Mercy	*Illinois*
Schaefer, Minnie	Mercy	*Wisconsin*
Schaeffer, Reba	Mercy	*Illinois*
Seitsinger, Marie	Mercy	*Iowa*
Sebert, Bertha	Wesley	*Iowa*
Simpson, Martha	Provident	*Ohio*
Smith, Mazie	Mercy	*Illinois*
Tensley, Pearl	Provident	*Arkansas*
Theiss, Maud	Mercy	*Illinois*

Thompson, Emma	Mercy	*Illinois*
Tieken, Anna	Mercy	*Iowa*
Tyler, Marjorie	Wesley	*Illinois*
Van Winkle, Helena	Wesley	*Canada*
Warren, Edith	Wesley	*Minnesota*
Wilder, Nellie	Wesley	*Kansas*
Wilson, Frances Regina	Wesley	*Wisconsin*
Wilson, Lillian	Wesley	*Ohio*
Wolfe, Elizabeth	Wesley	*Iowa*
Zilch, Matilda	Mercy	*Illinois*
Zaffke, Clara	Provident	*Kansas*

THE LAW SCHOOL

Students in Regular Courses

THIRD YEAR

Alsager, C. Martin, A.B., Lombard University.....*Illinois*
Anderson, Arthur Alexander.....*Illinois*
Arthur, William Reed, A.B., Washburn College.....*Kansas*
Barnes, Cecil, A.M., Harvard University.....*Illinois*
Barry, Francis Leo.....*Illinois*
Bates, Jeanette, Ph.B., University of Chicago.....*Illinois*
Borden, John, A.B., Yale University.....*Illinois*
Brubaker, Edward Franklin.....*Illinois*
Bullock, Walter Laughlin.....*Kansas*
Butz, Robert Otto.....*Illinois*
Carbaugh, Harvey Clarence, United States Military Academy..*Illinois*
Carnduff, Arthur Willard, A.B., Indiana University.....*Indiana*
Carpenter, Charles Edward, Buena Vista College.....*Illinois*
Cavanaugh, Bert Martin.....*Illinois*
Cooper, Bernhard S.....*Illinois*
Cox, Walter James.....*Illinois*
Daly, Joseph Dennis.....*Illinois*
Dean, William Dwight, A.B., Yale University.....*Illinois*
Deuel, Walter Rogers.....*Illinois*
Didier, Gustave Philip, St. Gregory's College.....*Illinois*
Downey, John Joseph.....*Illinois*
Ellis, Guy Gerrard, A.B., Lake Forest University.....*Iowa*
Farrell, Harry Michael.....*Illinois*
Fehrman, Henry J., Northwestern University.....*Illinois*
Felgar, Harry Hardy, Carthage College.....*Illinois*
Freundlich, Alexander.....*Illinois*
Griffin, John Joseph.....*Illinois*
Grimm, Otto Frederick.....*Michigan*
Harley, Arthur George.....*Illinois*
Hogan, Robert Emmett.....*Illinois*
Jacobsen, Lewis F.....*Illinois*
Jarecki, Edmund Kasper.....*Illinois*
Johnson, Clyde Philip, B.S., Carthage College.....*Illinois*

Jordan, Frank ..... *Illinois*
Judy, George Thomas..... *Iowa*
Kandlik, George ..... *Illinois*
Karr, Richard Freeman..... *Illinois*
Kendall, Rufus ..... *Illinois*
Larkin, Bernard John..... *Illinois*
Levy, Harry Hirsch..... *Illinois*
Lindsay, Alexander Pitcairn, A.B., College of the Academy of the New Church ..... *Pennsylvania*
Lorenz, James Nicholas, A.B., Cornell University..... *Illinois*
Llabres, Louis, Northwestern University..... *Porto Rico*
McCracken, Francis Joseph, University of Chicago..... *Illinois*
Magee, Wayland Wells, S.B., University of Chicago..... *Illinois*
Manning, Horace Milton..... *Illinois*
Martin, Isaac Crouse..... *Pennsylvania*
Mewhirter, David Clifford..... *Illinois*
Morris, Eugene Percivall..... *Illinois*
Mount, Earl Burner..... *Iowa*
O'Donnell, Joseph Dugan, A.B., St. Ignatius College..... *Illinois*
Oleson, George Arthur, Lewis Institute..... *Illinois*
Olson, Olaf Adolph..... *Illinois*
Perry, Benjamin ..... *Illinois*
Prindle, George Brown, LL.B., National Law School..... *District of Columbia*
Rabinoff, Samuel Randolph..... *Illinois*
Reardon, Neal D., A.B., University of Illinois..... *Illinois*
Reed, Nelson Franklin, B.S., Northwestern University..... *Illinois*
Rickcords, Francis Stanley, A.B., Yale University..... *Illinois*
Rogers, John Harold..... *Illinois*
Rubens, Harry, Jr., Harvard University..... *Illinois*
Santos, Jose Abad..... *Philippine Islands*
Sayers, Glenn Potter..... *Illinois*
Schadel, Robert Lyman, A.B., Beloit College..... *Illinois*
Schmaus, Edward Thomas..... *Illinois*
Schneider, Walter Carl..... *Illinois*
Scott, Walter, A.B., Ohio Wesleyan University..... *Illinois*
Simmons, Forrest Dale..... *Michigan*
Snapp, Dorrance Dibell..... *Illinois*
Spengler, Walter J..... *Illinois*
Stafford, James Henry..... *Illinois*
Staub, Casper, Jr..... *Illinois*
Steinbrecher, George ..... *Illinois*
Steinbrecher, Paul ..... *Illinois*
Tamiya, Junichiro, LL.B., Meiji University, Japan..... *Japan*

Taylor, Orville James, Jr., University of Chicago.....*Iowa*
Tyrrell, Joseph Thomas, A.B., St. Ignatius College.....*Illinois*
Verde, Vincenzo .....*Illinois*
Weichbrodt, Rudolph Charles, Lewis Institute.....*Illinois*
Weichelt, George Max.....*Illinois*
Wahl, Orlin Ingersoll.....*Illinois*
Wieboldt, Werner Augustus.....*Illinois*
Zelensky, Mitchell Abraham.....*Illinois*

SECOND YEAR

Adams, Alfred Stephen.....*Illinois*
Amberg, Walter Arnold.....*Illinois*
Anderson, Ernest Emil.....*Illinois*
Andres, Hiram Wells, Knox College.....*Illinois*
Arnold, Earl Casper, A.B., Baker University.....*Kansas*
Bain, Arthur Lewis, Lewis Institute.....*Illinois*
Beatty, Frank M., A.B., Iowa Wesleyan University.....*Iowa*
Bednorz, Charles, Associate in Science, University of Chicago..*Illinois*
Blake, Guy Minnich, Northwestern University.....*Illinois*
Boosel, Joseph .....*Illinois*
Brosnan, Patrick Joseph, St. Vincent's College.....*Illinois*
Burns, Luke Francis, Oshkosh State Normal.....*Wisconsin*
Butler, Leroy Dawson.....*Wisconsin*
Carter, Allan John, A.B., University of Illinois.....*Illinois*
Cleary, James Mansfield, A.B., University of Illinois.....*Illinois*
Cobb, Charles Lawrence, A.B., Lake Forest College.....*Illinois*
Crull, Norris Elliott, University of Indiana.....*Indiana*
Dixon, Willard Jerome.....*Illinois*
Dowell, Lee Garver.....*Iowa*
Epstein, Benjamin .....*Illinois*
Fales, James Turner, A.B., Haverford College.....*Illinois*
Fehrman, Ira, University of Chicago.....*Illinois*
Foster, Lucius Newton.....*Wisconsin*
Garnett, Cyrus Logan, Ph.B., Dakota Wesleyan University.....
.....*South Dakota*
Gilbert, Samuel Harvey, B.S., Northwestern University.....*Illinois*
Gust, John Lewis, Ph.B., Dakota Wesleyan University...*South Dakota*
Hanson, Harry Clyde.....*Illinois*
Hawley, Melvin Moses, B.S., Northwestern University.....*Ohio*
Hawxhurst, Ralph Reyaud, Northwestern University.....*Illinois*
Hotchkiss, Miles Elias, Jr., University of Chicago.....*Illinois*
Huttner, Robert Leon, Northwestern University.....*Illinois*
Isaacs, Alfred Abraham, Cornell College.....*Illinois*

Jahnke, John Henry, B.S., Northwestern University.....*Minnesota*
Jenkins, Claude Carl, Lewis Institute.....*Illinois*
Kadow, Zefiryn .....*Illinois*
King, John Crane, Jr.....*Illinois*
Lewis, Henry Delany.....*Illinois*
Liessmann, Elmer Martin.....*Illinois*
Marx, Jacob Hart, University of Chicago.....*Illinois*
McDonnell, Simon, Jr., Northwestern University.....*Michigan*
McFadon, Robert Dean, Williams College.....*Illinois*
McKenna, John Edward, Lewis Institute.....*Illinois*
Morheiser, William Matthew.....*Illinois*
Peterson, Joseph Lewis.....*Illinois*
Prendergast, John, Harvard University.....*Illinois*
Prendergast, Richard, A.B., Yale University.....*Illinois*
Roberts, Ralph Rosoce.....*Illinois*
Root, Ralph Waldo, Northwestern University.....*Illinois*
Rothwell, Henry Phillip.....*Wyoming*
Schmidt, Theodore, Indiana University.....*Indiana*
Schooler, Nathaniel, Lewis Institute.....*Illinois*
Schroeter, Ernest Ulrich.....*Illinois*
Shaffer, James Alexander, Lombard College.....*Illinois*
Skinner, Josef Taylor, University of Chicago.....*Illinois*
Smith, Emory James, Lewis Institute.....*Illinois*
Stecker, Freeland George, A.B., Albion College.....*Michigan*
Steere, Kenneth David, A.B., State University.....*Iowa*
Stern, Oscar David, University of Chicago.....*Illinois*
Thon, William G.....*Illinois*
Ullmann, Jr., Frederic, A.B., Princeton University.....*Illinois*
Underwood, Walter Scott, A.B., University of Wisconsin...*Wisconsin*
Varga, Hugo E., University of Buda Pest, Hungary.....*Illinois*
Vasen, Maurice Eschner, A.B., University of Illinois.....*Illinois*
Waldo, Otis Harvey, Jr., A.B., Yale University.....*Illinois*
Wescott, James Barney, Northwestern University.....*Illinois*
Whitehead, John Taylor, University of Michigan.....*Illinois*
Wilson, Leon Theodore, Northwestern University.....*Indiana*
Wise, Elmer Jason.....*Illinois*
Wittmeyer, Gustave, Jr.....*Illinois*
Wagner, Rolland Morris.....*Illinois*

FIRST YEAR

Ackerman, Benjamin P.....*Illinois*
Allaben, Max Fenimore, A.B., Amherst College.....*Illinois*
Allen, Charles Thomas.....*Illinois*

Amberg, Edmund Marshall.....*Illinois*
Anderson, Leonard Earl.....*Iowa*
Andrea, Antonio D.....*Illinois*
Bamberger, Eugene Julius.....*Illinois*
Barnett, Edward James.....*South Dakota*
Beck, Alphons A.....*Illinois*
Beers, Roscoe Wendell.....*Michigan*
Bird, Joseph Vincent, University of Washington.....*Washington*
Burns, Bartholomew Joseph, De La Salle Institute.....*Illinois*
Cahen, Percival Sidney.....*Illinois*
Caulfield, Jay, St. Ignatius College.....*Illinois*
Cavanaugh, Richard Parkinson.....*Wisconsin*
Colaway, Russell Andrew.....*Ohio*
Corbitt, Kenneth Flint.....*Illinois*
Davies, Frederick Lewis.....*Illinois*
Engel, Albert Joseph.....*Illinois*
Feldman, William .....*Illinois*
Finin, James John.....*Illinois*
Fisher, Edward Albert.....*Illinois*
Fowler, Glasmer .....*Missouri*
Frazier, John Vere.....*Illinois*
Frederick, James Ivan (deceased).....*Illinois*
Glerum, Jay Baar, Northern Illinois State Normal School..*Wisconsin*
Hall, Wilford Raymond.....*Illinois*
Hartenfeld, Edward Joseph.....*Illinois*
Heineman, Edward Theodore.....*Illinois*
Higgins, Leslie Thomas.....*Wisconsin*
Hochbaum, Edward Abraham.....*Illinois*
Iwata, Hidekuni, Hogakuin University.....*Japan*
Johnson, Harry McClure, A.B., Princeton University.....*Illinois*
Kay, Wilfred Stearns, Northwestern University.....*Illinois*
Kemnitz, Charles E.....*Illinois*
Kiningham, Robert Baird, Northwestern University.....*Illinois*
Krause, Herbert Charles.....*Wisconsin*
Kuhn, Jacob Paul, Wheaton College.....*Illinois*
Landee, Frank Julian, A.B., Augustana College.....*Illinois*
LeCron, James Defrees, Northwestern University.....*Illinois*
Levin, Samuel, University of Illinois.....*Illinois*
Lockart, Mont Griffith, B.S., Valparaiso University.....*Illinois*
Loucks, Vernon Reese, Northwestern University.....*Illinois*
Lutkins, Harris Carman, Northwestern University.....*Illinois*
Martin, Charles Chester, University of Chicago.....*Illinois*
Marx, August, Jr.....*Illinois*
Middleton, James Dale, Lewis Institute.....*Illinois*

Nicholson, John Warder, Lewis Institute.....*Kansas*
Ogden, Dayton .....*Illinois*
Palmer, Ernest, M.A., Lake Forest College.....*Illinois*
Parker, William Henry, A.B., Lincoln University.....*Georgia*
Patterson, Perry Smith, University of Chicago.....*Illinois*
Payne, Benjamin, University of Illinois.....*Illinois*
Phillips, George Elmendorf.....*Illinois*
Phillips, Stanley Albin.....*Illinois*
Rein, Theodore Edwards, University of Chicago.....*Illinois*
Reilly, Thomas Henry.....*Indiana*
Roach, Richard Morrison, M.D., Jenner Medical College.....*Illinois*
Rommel, Jasper Frederick, B.S., Northwestern University....*Illinois*
Rubin, Adolph Robert.....*Michigan*
Satterlee, Roscoe Earl, Ph.B., Dakota Wesleyan University.....
.....*South Dakota*
Schmidt, Frederick C. G.....*Illinois*
Six, Rollo, Northwestern University.....*Illinois*
Spaulding, Edward Leslie.....*Iowa*
Stahl, Floyd Meloy, Northwestern University.....*Illinois*
Stanley, Edgar Verne.....*Iowa*
Starnes, Kenneth D., Northwestern University.....*Missouri*
Stretton, Frank Peter.....*Illinois*
Treadwell, Charles A.....*Illinois*
Tuthill, Richard Stanley, Jr.....*Illinois*
Wakefield, Nathan Ruthven, A.B., University of Illinois.....*Illinois*
Walther, Frederick .....*Illinois*
Ward, Alfred James.....*Illinois*
Wendland, Charles John, Northwestern University.....*Illinois*
Whitson, Thomas Merrick, Northwestern University.....*Illinois*
Wolf, Walter Bertram, A.B., Yale University.....*Illinois*
Wheeler, Robert Campbell, A.B., Yale University.....*Illinois*
Wilkinson, Earl Brown, Lewis Institute.....*Illinois*
Wynne, Lloyd .....*Illinois*
Zeiss, Carl Henry, B.L., Princeton University.....*Illinois*

Course in General Practice

Andalman, Samuel J.....*Illinois*
Ballard, Howard Thompson, A.B., Amherst College; LL.B., Northwestern University .....*Massachusetts*
Brown, Earl Wesley, University of Illinois; LL.B., Northwestern University .....*Illinois*
Carmody, Michael Lawrence, LL.B., Northwestern University..*Illinois*
Frantz, Ezra Jacob, LL.B., Northwestern University.....*Illinois*

Judah, Noble Brandon, Jr., A.B., Brown University.....*Illinois*
Lawlor, Edwin D., LL.B., University of Michigan.....*Illinois*
Legg, Chester A., A.B., Harvard University; LL.B.....*Illinois*
Lindskog, Thomas .....*Illinois*
McNeil, Oswell Laurie, B.S., Illinois College; LL.B., Northwestern University .....*Illinois*
Mower, Penfield, A.B., Dartmouth College; LL.B., Harvard University .....*Illinois*
Rainsberger, H.F., LL.B., University of Valparaiso.....*Illinois*
Yates, Robert Mortimer, LL.B., Northwestern University.....*Illinois*

Special

Bantall, David Johnson, A.B., University of Chicago; LL.M., Illinois College of Law.....*Illinois*
Bieszki, Henry Albert.....*Illinois*
Brown, Bruce Francis, M.A.....*Illinois*
Buck, Charles Greenwood.....*Illinois*
Burns, William C., LL.B., Northwestern University.....*Illinois*
Collyer, Alfred Clarence.....*Illinois*
Davenport, Homer Lee.....*Illinois*
Ficklin, James Robert, Yale University.....*Illinois*
Forstall James Jackson, B.S., Princeton University; LL.B., Northwestern University .....*Illinois*
Fulsang, George .....*Illinois*
Gilson, James Harold, Northwestern University.....*Illinois*
Hill, Roy Wilson, B.S., Rose Polytechnic School; LL.B., Northwestern University .....*Illinois*
Johnson, Harry .....*Illinois*
Kegel, John Hopkins.....*Illinois*
King, William Joseph, A.B., St. Mary's College; LL.B., Northwestern University .....*Illinois*
Kuwashima, Hisoo, A.B., Puget Sound University; A.M., School of Political Science of Columbia University; LL.B., Meifi University, Tokio .....*Japan*
Lee, Yuen S.....*Illinois*
Libonati, Michael Ernest.....*Illinois*
Lingsweiler, John, Jr.....*Illinois*
Long, William Henry, S.B., Northwestern University.....*Iowa*
MacDonald, Torrance Hugh, S.B., University of Chicago.....*Illinois*
McWilliams, Charles Milton.....*Illinois*
Moran, Anthony Jerome.....*Illinois*
Parisoe, George Edwin, Northwestern University.....*Illinois*

Rubenstein, Joseph ..... *Illinois*
Ryberg, Charles Elliott, A.B., Carleton College..... *Alaska*
Shauver, Harvey Charles, Northwestern University..... *Arkansas*
Williams, Ednyfed Henry..... *Illinois*

SCHOOL OF PHARMACY

Adams, Alva Lee.....*Illinois*
Allegretti, John .....*Illinois*
Arnold, Arthur Stanley.....*Illinois*
Bakens, Kenneth W.....*Wisconsin*
Banfield, Harry .....*Illinois*
Bantug, Jose Policarpus.....*Philippine Islands*
Beless, Joseph Warren.....*Utah*
Bergen, Roy M.....*Illinois*
Bickhaus, Conrad A.....*Illinois*
Blake, James G.....*Illinois*
Bliss, Lawrence .....*Colorado*
Blomenkamp, Friedrich Wilhelm.....*Nebraska*
Boyer, Alden Scott.....*Iowa*
Brecht, Paul A.....*South Dakota*
Brown, V. W.....
Cajulis, Felix.....*Philippine Islands*
Caris, James M.....*Michigan*
Carr, W. L.....*Illinois*
Carlson, Julius N. S.....*Illinois*
Claypool, William .....*Illinois*
Cole, Lawrence N.....*Illinois*
Clay, James Lewis.....*Illinois*
Cotton, Charles .....*Iowa*
Crain, Charles R.....*Illinois*
Crawford, John A.....*Indiana*
Curry, Hiram W.....*Indiana*
Dahmlow, Edward A.....*Illinois*
Decker, William E.....*Illinois*
Dewey, Glen G.....*Iowa*
Dodd, John M., Jr.....*Illinois*
Duer, Harry C.....*Illinois*
Duffy, Herman H.....*Indiana*
Druehl, Hugo William.....*Utah*
Dvorak, J. T.....*Minnesota*
Eichler, Albert G.....*Illinois*
Eulberg, Peter J.....*South Dakota*
Finlay, Matthew M.....*Illinois*

Foley, John J.....*Iowa*
Foresman, Roy Swartz.....*Iowa*
Freeman, Elmer Jonathan.....*Illinois*
Frerichs, Andrew G.....*Illinois*
Gaeth, Chauncey .....*Nebraska*
Gallardio, Marcelino Mendoza.....*Philippine Islands*
Galligan, James Patrick.....*Illinois*
Geahart, A. F.....*Illinois*
Geyer, Fred J.....*New Mexico*
Green, Edgar .....*Utah*
Gregory, Matthew R.....*Illinois*
Grulke, Oscar .....*Iowa*
Haeseler, Loren M.....*Iowa*
Haldorsson, Haldor .....*North Dakota*
Harrison, Albert .....*Illinois*
Heiss, Samuel .....*Illinois*
Hermes, William C.....*Wisconsin*
Hille, J. James.....*Texas*
Holabird, Harlow C.....*Illinois*
Holmes, Charles Bernard.....*Illinois*
Horn, Walter Sterling.....*Michigan*
Howard, George D.....*Illinois*
Howard, True .....*Illinois*
Howell, John E.....*South Dakota*
Huff, Arthur W.....*Indiana*
Huish, David .....*Utah*
Hynek, Charles .....*Illinois*
Harris, Holly Parker.....*Iowa*
Hyrup, J. Lester.....*Illinois*
Jacob, Charles Richard.....*Illinois*
Jameson, Philip E.....*Illinois*
Jennings, John W.....*Illinois*
Johnson, Chester .....*Illinois*
Johnson, Louis E.....*Illinois*
Jones, Fred Clifford.....*Colorado*
Kaiser, Otto .....*Michigan*
Keim, Charles A.....*Illinois*
King, Frank R.....*Michigan*
King, Loyd A.....*Ohio*
Kolar, Stanislav M.....*Illinois*
Kolb, Max .....*Wisconsin*
Kuhn, William H.....*Illinois*
Leonard, Eugene O.....*Idaho*
Lindstadt, August William.....*Montana*

Link, Emery Rudolph.....*Illinois*
Loeffelbein, Charles A.....*Wisconsin*
London, Joseph P.....*Iowa*
Long, Walter E.....*Illinois*
Madden, St. Clair.....*Illinois*
Maiman, Leo E.....*Illinois*
Maliszewski, John D.....*Illinois*
Markham, Roy W.....*Wisconsin*
Marks, Leon A.....*Illinois*
Max, Arthur Martin.....*South Dakota*
McCann, Edward Bryce.....*Illinois*
McElrath, Walter .....*Illinois*
McKenzie, Charles E.....*Indiana*
McKibben, John Leslie.....*Illinois*
McKinney, John R.....*Illinois*
McLuen, Maurice C.....*Iowa*
McMaster, William Warren.....*Illinois*
Meyer, E. J. W.....*Illinois*
Midgett, Robert Ross.....*Illinois*
Nitardy, Ferdinand William.....*Minnesota*
Nixon, Miss Linnie Eloise.....*Illinois*
Nordvold, Sverre P.....*Minnesota*
O'Neal, Ernest .....*Illinois*
Oswald, L. W.....*Illinois*
Owells, Albert J.....*Illinois*
Panzer, George O.....*Nebraska*
Pease, Robert W.....*Illinois*
Peoples, Edward L.....*South Dakota*
Peters, Otto R.....*Utah*
Pettijohn, Charles E.....*Illinois*
Potter, Herschel Edwards.....*Arkansas*
Ragland, F. W.....*Illinois*
Proudfoot, Alfred C.....*Illinois*
Raithel, Henry .....*New Mexico*
Robertson, Forrest Raymond.....*Texas*
Rogers, Foster R.....*Wyoming*
Rogers, George A.....*South Dakota*
Rohrbach, John H.....*Illinois*
Russell, Adelbert W.....*Wisconsin*
Samson, Bernardo .....*Philippine Islands*
Santos, Gervasio .....*Philippine Islands*
Scholes, John H.....*Illinois*
Schram, Frank E.....*Illinois*
Schulze, William C.....*Wisconsin*

Schwerdt, Louis ..... *Illinois*
Seaton, Charles E..... *Colorado*
Slama, John T..... *Illinois*
Smith, Dr. J. Francis..... *Missouri*
Smith, Mark V..... *Illinois*
Sprague, Arthur ..... *Michigan*
Sterling, Robert Winfield..... *Illinois*
Stubbs, Robert J..... *Illinois*
Swanburg, Fred A..... *New Mexico*
Sweetland, Melvin Dale..... *Illinois*
Switzer, Emmett B..... *Illinois*
Tarbell, Neil W..... *South Dakota*
Terry, Clifford H..... *Illinois*
Thompson, Raymond Milner..... *Illinois*
Taylor, Milo C., Jr..... *Illinois*
Taylor, Samuel Rogers..... *North Dakota*
Thorsen, Alfred N..... *Illinois*
Trunk, Robert L..... *Illinois*
Wagner, Walter S..... *Illinois*
Wagner, Harold Harvey..... *Ohio*
Walker, Warren N..... *South Dakota*
Warren, Roy ..... *New York*
Waskow, Gustave R..... *Illinois*
Watson, D. Clark..... *Utah*
Wernicke, Louis ..... *Illinois*
Westphal, Carl ..... *Iowa*
White, John Calhoun, Jr..... *Mississippi*
Wilson, Fred D..... *Mississippi*
Williamson, Norman ..... *North Dakota*
Wire, Leslie Harwood..... *Illinois*
Woelke, Edward G..... *Illinois*
Wold, Guy K..... *Minnesota*
Wray, Richard T..... *Illinois*
Zea, John William..... *Illinois*
Zobel, Roy ..... *Colorado*

THE DENTAL SCHOOL

Students in Regular Courses

THIRD YEAR

Adams, John Melvin.....*Illinois*
Alexander, Howard A.....*New York*
Babcock, Clarence Udelmar S.....*Nebraska*
Baker, John Henry.....*Missouri*
Baker, Lloyd Lewis.....*Iowa*
Barnsback, Chalmer Truman.....*Illinois*
Beck, James Edwin.....*Wisconsin*
Berkshire, Claude Edward.....*California*
Bersing, Arthur E.....*Wisconsin*
Bigler, Chester Arthur.....*Illinois*
Bird, Charles William.....*Utah*
Boman, Anton Leroy.....*Illinois*
Bow, John McIntyre.....*Ontario, Canada*
Bremner, Maurice David Kaufman.....*Illinois*
Brighouse, Albert .....*British Columbia*
Brown, Fred .....*Illinois*
Buckley, Michael Joseph.....*Illinois*
Burke, Harry John.....*South Dakota*
Burton, Jesse Francis.....*Illinois*
Cadmus, John Harvey.....*Illinois*
Calvert, James Rex.....*Utah*
Campbell, Albert William, Ph.G., Purdue University.....*Indiana*
Carlstein, Aaron .....*Illinois*
Chady, Roy Jay.....*Wisconsin*
Chulock, Aaron William.....*Illinois*
Closson, Arthur Dunbar.....*Nebraska*
Cochran, William Alfred.....*Texas*
Cole, Alvie Sylvester.....*Wisconsin*
Craig, Thomas Day.....*Iowa*
Crossan, Orval Alexander.....*Iowa*
Crowley, Edward Timothy.....*Illinois*
Cummins, Harry Ray.....*Illinois*
Dawson, William Thomas.....*Illinois*

Dedon, Victor William.....*Minnesota*
Diehl, Fred Steuben.....*Illinois*
Dietz, Oscar .....*Wisconsin*
Dixon, George Edward.....*Iowa*
Dohrmann, August Wilhelm M.....*Illinois*
Donovan, John Morrisson.....*Iowa*
Dooley, Chase Creel.....*Illinois*
Downs, George Almond.....*Iowa*
Dunn, Ernest Lucien.....*Iowa*
Egan, Thomas Francis.....*Wisconsin*
Elsnau, Theodore Max Alvine.....*Illinois*
Evans, Ernest Isaac.....*Utah*
Exon, George Edward.....*Kansas*
Fankhauser, Homer Enoch.....*Iowa*
Field, William Sydney.....*Cheshire, England*
Fietsch, John Fred.....*Illinois*
Follett, Walter Carlous.....*North Dakota*
Foster, Leroy Allen.....*Illinois*
Freel, Floyd Wheatley.....*New York*
Friedman, Samuel.....*Illinois*
Fry, William Thomas.....*Illinois*
Galbraith, Logan Blaine.....*Illinois*
Gill, William Herbert .....*North Carolina*
Gist, Nathan Howard.....*Iowa*
Graves, Idella Elnora.....*Wisconsin*
Grove, Francis Wendell, B.S., South Dakota Agricultural College
.....*South Dakota*
Gulstine, Herman Philander.....*South Dakota*
Hamel, Carl William.....*Illinois*
Harris, Joseph Garfield.....*Wisconsin*
Hartt, Alice Constance.....*Illinois*
Hauser, Edward John.....*North Dakota*
Heisler, William Fritz.....*South Dakota*
Henderson, Olive Myrtle.....*Illinois*
Hixon, Clyde Leroy.....*Idaho*
Hogan, Mark Francis.....*Iowa*
Holmquest, David Elven.....*Iowa*
Hoover, Chester Will.....*Illinois*
Johnson, Sidney Harold.....*Illinois*
Jones, Ramon .....*Illinois*
Kallaus, William Fred .....*Iowa*
Kauffman, John Calvin.....*Illinois*
Kennedy, Claude Mounticue.....*Iowa*
Kerr, Morris M.....*Illinois*

Keyes, John Francis.....*Wisconsin*
Krembs, Franz Joseph.....*Wisconsin*
Krembs, Moritz.....*Wisconsin*
Lacaze, Charles Andre.....*Australia*
Langstead, Robert Dave.....*Missouri*
Langton, Seth Alma, Jr.....*Utah*
Lazier, Harry Austin.....*Illinois*
Leavitt, Samuel Harold.....*Illinois*
Legvold, Gerhard Ferdinand.....*Minnesota*
Leininger, Arthur Aaron.....*Ohio*
Lemmon, Walton Francis.....*Illinois*
Lyding, John Daniel.....*Illinois*
Lyding, Joseph Benjamin.....*Illinois*
Lynch, Oliver Edward.....*Iowa*
McKay, Grover C.....*Iowa*
McKay, N. Bruce.....*Iowa*
Macdonald, David Colin.....*Iowa*
Martin, Orlando Elmer.....*South Dakota*
Mason, Lloyd Chester.....*Illinois*
Mead, Roy Eugene.....*Illinois*
Meisel, Harry Benjamin.....*Michigan*
Mertz, Arthur Edgar.....*Illinois*
Meyer, George Edward.....*South Dakota*
Middlemas, Bessie E.....*British Columbia*
Miller, Jacob Henry.....*Illinois*
Mills, Henry Louis.....*Montana*
Morange, Roderick M.....*Scotland, N. B.*
Morgan, Walter A.....*Kansas*
Mott, Walter W.....*Indiana*
Mulford, Thomas Tillinghast.....*Illinois*
Murdy, Aethel Thompson.....*Ontario, Canada*
Myers, Walter Alen G. Thurman.....*Ohio*
Oleson, George Henry.....*Iowa*
Olsen, Axel Frank.....*Minnesota*
Ott, Leroy Theodore.....*Iowa*
Parker, Clement Emerson.....*Kansas*
Pasternacki, Leon P.....*Wisconsin*
Pfeiffer, Carl Elmer.....*Minnesota*
Phillips, Arthur Abraham.....*Illinois*
Potts, Lawrence Loraine.....*Illinois*
Rakow, William John.....*Illinois*
Reed, William Edmond.....*Illinois*
Rice, Joseph Bliven.....*Wisconsin*
Rich, Albert Clarence.....*Illinois*

Richards, George Franklin, Jr.....*Utah*
Richter, Louis Carl.....*Wisconsin*
Roberts, Clarence Albert.....*Minnesota*
Roberts, Edward Raymond.....*Minnesota*
Rosheim, Elling .....*Iowa*
Salisbury, Elmore .....*Indiana*
Savage, Charles Sumner.....*Illinois*
Savage, Samuel Robert.....*British Columbia*
Scheffer, Bernhardt .....*Illinois*
Schoenbrod, Abraham Morris.....*Illinois*
Schoonover, Ned Wesley.....*Kansas*
Schultze, Louis.....*Iowa*
Scott, Albert Elbridge.....*Iowa*
Sebelius, Carl Elstrom.....*Kansas*
Shaddle, Charles Gilbert.....*Illinois*
Sherman, Orville Manson.....*Missouri*
Smith, Harry Alexander.....*Illinois*
Smith, Roy Orval.....*Kansas*
Stam, Russell Zeigler.....*Montana*
Stanley, John Gruell.....*Iowa*
Starry, Thomas Edward.....*Wisconsin*
Stephens, George Edmund.....*Wisconsin*
Stiehm, Paul Edward.....*Wisconsin*
Stinson, Guy Donald.....*Vermont*
Swisher, Fred J.....*Kansas*
Taylor, Guy Everett.....*Minnesota*
Tharp, Horace John.....*Illinois*
Thomason, Albert Robert.....*Illinois*
Thompson, Ellis Howard.....*California*
Toraason, Goodwin .....*Wisconsin*
Uebele, Harvey Milton .....*Wisconsin*
Walbridge, Ernest Lucien, Ph.G., Northwestern University School of Pharmacy.....*Illinois*
Wallace, Ray Harold.....*Iowa*
Walther, Arthur Frederick Wm.....*Illinois*
Watts, William Henry.....*Illinois*
Welch, James Richard.....*Illinois*
Wick, John Henry.....*West Virginia*
Wilen, Arthur Nelson.....*Wisconsin*
Wintermute, Charles Ackerman.....*Washington*
Wittenbrook, Frederick Holmes.....*Ohio*
Wolson, Abraham Morris.....*Illinois*
Yessler, Arthur M.....*Iowa*
Young, Charles W.....*Illinois*
Zemke, Arthur Wilbert.....*Iowa*

SECOND YEAR

Anglemire, Raymond Lee ..... *Illinois*
Bergquist, Albert Edward ..... *Iowa*
Bergum, Oscar Theodore ..... *Wisconsin*
Bernhard, Axel ..... *Illinois*
Bernstein, Joseph ..... *Illinois*
Bertram, Carl Louis ..... *Ohio*
Blaylock, George Francis ..... *Kansas*
Clevidence, Earle Armour ..... *Nebraska*
Dahle, Christian John ..... *Wisconsin*
Dallow, Albert Victor ..... *Australia*
Denny, Thomas Jefferson ..... *Illinois*
Desmond, Frank George ..... *Wisconsin*
Dillon, John Francis ..... *Illinois*
Donovan, Michael David ..... *South Dakota*
Eggers, Herbert Lewis ..... *South Dakota*
Fridd, Paul D. ..... *North Dakota*
Guggenheim, Emanuel ..... *Illinois*
Hollister, Claude Reavis ..... *Illinois*
Hudson, Roland Harry ..... *Wisconsin*
Huttman, Ernst Carl Theodore ..... *New Jersey*
Jensen, Gareld Bosworth ..... *Wisconsin*
Jessen, John Marris ..... *Connecticut*
Jones, Roy Clifton ..... *Illinois*
King, Mary Elizabeth ..... *Illinois*
Knox, Sidney Barclay ..... *Illinois*
Kral, Theodore Steave ..... *Iowa*
Krauze, Louis Henry ..... *Illinois*
Laing, Archie Clayton ..... *Ontario, Canada*
Lee, Stanley Douglas Christy ..... *Australia*
Levis, John Herbert ..... *New York*
Lindberg, Elmer Victor ..... *Illinois*
Long, John Eugene ..... *Iowa*
Loomis, Arthur Garfield ..... *Illinois*
McDonald, Ellery Ashley ..... *Michigan*
McGovern, Edward ..... *Wisconsin*
Marquess, Augustus Arvis, B.A., Fisk University ..... *Arkansas*
Meadow, Marie ..... *New York*
Messick, Albert Roy ..... *Indiana*
Mitchell, Norman Lambert ..... *Barbadoes, B. W. I.*
Moore, Walter Arthur ..... *Washington*
Moreton-Olson, Charles ..... *Australia*
Nickerson, Carl Victor ..... *Illinois*

Noyes, Lucien L.....*Utah*
O'Hara, Thomas Guy.....*North Dakota*
Ohtness, Sigurd Harold.....*South Dakota*
Penney, Ralph Eugene.....*Washington*
Pihlfeldt, Edward Rollo.....*Illinois*
Reed, George Thomas.....*Oklahoma*
Reed, Robert William.....*Nebraska*
Richards, Evan Greene.....*Utah*
Ross, James Harry.....*Illinois*
Rotzoll, Albert Max.....*Michigan*
Runkle, Ervin N.....*Illinois*
Salvail, Arthur P.....*Montana*
Sandstrom, Oscar .....*Wisconsin*
Schwartz, Milton Dale.....*Illinois*
Sederholm, Hjalmar Axel.....*Moline, Illinois*
Sharp, Cyril .....*New Zealand*
Snow, William Edward.....*Illinois*
Snowden, Leonard Clay.....*Texas*
Stiehl, William John.....*Iowa*
Stirling, G. Guy.....*Illinois*
Stout, Roscoe Leaton.....*Illinois*
Sullivan, Ralph Sylvester.....*Illinois*
Toay, Corliss Samuel.....*Wisconsin*
Unger, Arthur William.....*Illinois*
Walder, Hans .....*South Dakota*
Weinstein, Jacob .....*Illinois*
Welter, Charles Henry.....*Indiana*
White, Norman Walter.....*Australia*
White, Paul George.....*Illinois*
Whitmore, Milton Titus.....*Minnesota*
Winzeler, Louis Clarence.....*Ohio*
Woodruff, Silas .....*Kansas*

FIRST YEAR

August, David Hjalmar.....*Chicago, Ill.*
Bacon, Francis Erastus, B.S., Knox College.....*Chicago, Ill.*
Baker, Arthur Edwin.....*Monticello, Iowa*
Bantle, George Anthony.....*St. Paul, Minn.*
Baughman, Ira.....*Chicago, Ill.*
Becker, Ralph William.....*Tampico, Ill.*
Beerman, Ernest August.....*Guttenberg, Iowa*
Berndt, George Walter.....*Chicago, Ill.*
Blackwell, J. D.....*Chicago, Ill.*

Brethold, Robert Theodore.....*Wilmette, Ill.*
Brown, Ben Lyman.....*Kasbeer, Ill.*
Burkett, Clifford Wahl.....*Plymouth, Ind.*
Buss, Rueben Julian.....*Reeseville, Wis.*
Carson, Knut Paul.....*Chicago, Ill.*
Cartwright, Charles Hull.....*Burlington, Iowa*
Christianson, Hubert F.....*Ephraim, Utah*
Crawford, Edgar Harper.....*Vancouver, B. C.*
Crew, Thomas James.....*Marengo, Iowa*
Dahlby, Oscar .....*Moorhead, Minn.*
Denton, William Lemmon.....*Britton, So. Dak.*
Dolby, George Hugo.....*Chicago, Ill.*
Dugger, Marion Harvey.....*Chicago, Ill.*
Edwards, Charles Bernard.....*London, Eng.*
Farwell, Harry Russell.....*Augusta, Ill.*
Fielding, Aldrich.....*Sydney, N. S. W., Australia*
Firkins, Ashley Martin.....*Shabbona, Ill.*
Foley, Thomas Joseph.....*Chicago, Ill.*
Gates, Marshall Edison.....*Auburn, Ill.*
Gerhold, Elsa Juliane.....*Vienna*
Geyer, Ebern C.....*Niles, Mich.*
Goeres, Theodore Otto.....*Kiel, Wis*
Graf, Clarence Zina.....*Chicago, Ill.*
Grandy, Alfred William.....*Bathgate, No. Dak.*
Halderman, Roy S.....*Wichita, Kan.*
Hanson, Lloyd Martin.....*Howard, So. Dak.*
Hayashi, Atsushi.....*Yokohama, Japan*
Heine, Raymond Otto.....*Guttenberg, Iowa*
Holmes, Henry Claude, B.A., Friends' Univ.....*Wichita, Kan.*
Host, Walter Robert.....*Lake Geneva, Wis.*
Hudson, Frank Burton, B.S., Beloit College.....*Two Rivers, Wis.*
Ingram, Hector Sydney.....*London, N., Eng.*
Kimbell, Will Eugene.....*Clinton, Iowa*
Kost, Walter Henry.....*St. Paul, Minn.*
Langdon, Edwin Lawrence.....*Syndey, N. S. W., Australia*
Leach, Roy Carrol.....*Huxley, Neb.*
Leonard, Frank Anderson.....*Essex, Iowa*
McBride, Lyman Augustus.....*LaGrande, Ore.*
McLean, Charles Allan.....*Aurora, Ill.*
Madill, Christopher John.....*Austin, Manitoba*
Manosevitch, George Herman.....*Illinois*
Metzner, Horace Edmund.....*Wisconsin*
Nankervis, Henry.....*Michigan*
Nichol, Clifton Thomas.....*Buenos Ayres, N. S. W.*

Over, Charles Brown.....*Illinois*
Payne, Eugene Irwin.....*Illinois*
Pooley, Harry.....*Illinois*
Salmons, Clyde Raymond.....*West Virginia*
Saxton, Henry Wade.....*Georgia*
Spencer, Lyle Sargent.....*South Dakota*
Spike, Frank Sage.....*Illinois*
Stephen, Jerry H.....*Montana*
Sternberg, Louis Victor.....*Minnesota*
Strommen, Hans Christopher G.....*Minnesota*
Summers, Robert Lee, B.S.D., Lincoln Institute.....*Illinois*
Taecker, Henry Robert.....*South Dakota*
Thorley, Robert Aldridge.....*Utah*
Todd, Roland Hill.....*Illinois*
Trickey, Bruce Earl.....*Illinois*
Ulrick, Elwin Harry.....*South Dakota*
Valenzuela, Carlos .....*Costa Rica, C. A.*
Wilson, Elizabeth Ray.....*Illinois*
Wilson, Walter Leroy.....*Wisconsin*
Woods, Frank Ray.....*Illinois*
Wright, John Edwin.....*Missouri*

Special Students

Barlow, Harry Edgar.....*Pennsylvania*
Bates, Lewis George.....*Pennsylvania*
Bozenhard, Edward Theodore.....*Ohio*
Duerr, William Henry.....*Ohio*
Garner, Joseph..... *Illinois*
Gillette, Norman Campbell.....*Illinois*
Hoffer, John George.....*Colorado*
Horton, Roy James.....*Illinois*
Lott, Webster .....*Illinois*
Lynch, William Raymond.....*North Carolina*
Melaik, Mohanna .....*Illinois*
Mitchell, Hobert Loren.....*Washington*
Riley, Ralph Emerson.....*Illinois*
Seitters, Joseph Pearl.....*Ohio*
Sherwood, Franklin Denslow.....*Michigan*
Shively, Franklin Lloyd.....*Ohio*
Sims, Henry James.....*Tennessee*
Speiser, George Frederick.....*Indiana*
Starkey, Russell H.....*Illinois*
Tapp, Roland Wesley.....*Nebraska*

Thompson, Oscar Clarence ..... *Iowa*
Wetz, Victor Paul Herman ..... *Ohio*
Wood, Cassius Hiram ..... *Michigan*
Yerbury, Orville Grant ..... *Illinois*

Post-Graduates

Anderson, James Austin ..... *Oklahoma*
Bassford, Adelbert Maurice, D.D.S. ..... *Illinois*
Beatty, Webster B., D.D.S. ..... *Illinois*
Brogunier, David Shaffer, D.D.S. ..... *North Dakota*
Campbell, John MacBeath, D.D.S. ..... *Wisconsin*
Cole, Allen Eugene, D.D.S. ..... *Ohio*
Daniels, George Eaton, D.D.S. ..... *California*
Elwell, Dwight Addison, D.D.S. ..... *Ohio*
Engle, Howard Stanton, D.D.S. ..... *Iowa*
Finne, Hilmer Meincke ..... *Norway*
Gumaer, N. A., D.D.S. ..... *Canada*
Hannahs, Frederick Chauncy, D.D.S. ..... *Colorado*
Hunt, John Thomas, D.D.S. ..... *Arkansas*
Johnston, Fleming Allen, D.D.S. ..... *Alabama*
Linderholm, Martin Julius, D.D.S. ..... *Iowa*
McKee, Stephen Henry, D.D.S. ..... *Georgia*
Peacock, Henry Benajer, D.D.S. ..... *Mississippi*
Semb, Bjarne Larson ..... *Norway*
Steffens, William Rudolph, D.D.S. ..... *Illinois*
Sylow-Hanson, Harold ..... *Norway*
Villarreal, Juan, D.D.S. ..... *New York*

SCHOOL OF MUSIC

Students in Regular Courses

REGULAR

Abbott, Lena Maude.....*St. Joseph, Mo.*
Adams, Kate Louise.....*Evanston*
Anguish, Maude Darling.....*Evanston*
Askegaard, Mathilde Emillie.....*Comstock, Minn.*
Astenius, Anthony Oliver Theophilus.....*Chicago*
Atwell, Ruth Sarah.....*Evanston*
Bailey, Eva Bessie.....*Topeka, Kan.*
Baker, Edna Edith.....*Letts, Kan.*
Baker, Emilie Eleanor.....*Santa Rosa. Calif.*
Baldwin, Jessie Louise.....*Wilmette*
Barnard, Mabel .....*Evanston*
Barry, Curtis Abell.....*Chicago*
Barry, Frank Edward.....*Chicago*
Bauerkemper, Julia.....*Council Bluffs, Ia.*
Beecher, Carl Milton.....*Abingdon*
Behrend, Edna Florence.....*Auburn, Ia.*
Birge, Ruth.....*Grand Rapids, Mich.*
Bradley, Alvin Percy.....*Evanston*
Brawthen, Lillian Georgine.....*Chicago*
Brenneman, Hedwig.....*Peru*
Broman, Mauritz Winride.....*Chicago*
Brothers, Etta Frances.....*Chicago*
Brown, Elsie Mary.....*Mankato, Minn.*
Brush, Lela Mabel.....*Norfolk, Neb.*
Busse, Florence Ethel.....*Porter, Ind.*
Butterfield, Frances Dorcas.....*York, Neb.*
Campbell, Marvine Goldie.....*Chicago*
Carroll, Irene Nevada.....*Hampton, Ia.*
Chapman, Hazel Gladys.....*Chicago*
Clark, Mrs. Anna Carolyn.....*Evanston*
Clark, Margaret Melinda.....*Burlington, Ia.*
Collins, Florence Katherine.....*Kingfisher, Okla.*
Combs, James Arthur.....*Macon*

Copeland, Gertrude Mae.....*Correctionville, Ia.*
Corken, Nelle Clara.....*Burlington Junction, Mo.*
Corwin, Mary Lucille.....*Jamestown, N. D.*
Cox, Edith.....*Fort Dodge, Ia.*
Crafts, Alice Hazel.....*Edmonton, Alberta*
Craver, Oleta Eda.....*Red Rock, Mont.*
Crout, Nellie Clara.....*Olney*
Dammarell, Milton Edwin.....*Chicago*
Davidson, Elizabeth.....*Evanston*
Davidson, Marie Dorothy.....*Chicago*
Davis, Laura.....*Blue Earth, Minn.*
Davis, Lola Ella.....*Evanston*
Dean, Caroline Mary.....*Nevada, Ia.*
Dennis, Mrs. Myrta McKean.....*Evanston*
Druley, Edwin McCollom.....*Arkansas City, Kan.*
Durnal, Alma Frances.....*Carmen, Okla.*
Durnal, Bess Agnes.....*Carmen, Okla.*
Dysart, Ruth Helen.....*Dixon*
Earhart, Grace.....*Evanston*
Eckert, Lillian.....*Woodstock*
Edwards, Elsie Leonard.....*Grand Rapids, Mich.*
Emmons, Alice.....*Chicago*
Ewald Marjorie Nelle.....*Evanston*
Ewing, Edna Earl.....*Waco, Tex.*
Fellows, James Daniel.....*Fairfax, Mo.*
Flodin, Nellie Beulah.....*Evanston*
Fisher, Bernice.....*Evanston*
Fisher, Grace Ethel.....*Chillicothe*
Forkner, Mabel Grace.....*Wahpeton, N. D.*
Foster, Cora Mabel.....*Radcliffe, Ia.*
Fox, Winifred Isabel.....*Belvidere*
Freeman, Marion Elizabeth.....*Lead, S. D.*
Frost, Ethel Gay.....*Evanston*
Frost, Florence Virtine.....*Evanston*
Gardner, Ella May.....*Ravenswood*
Garnett, Mrs. Louise Ayres.....*Evanston*
Garrett, Grace.....*Tower Hill*
Gilbert, Leota Marguerite.....*Pontiac*
Gilpin, Grace DeForest.....*Bingham Canon, Utah*
Goble, Adele.....*Earlville*
Goddard, Odile Marie.....*Erie, Pa.*
Goddrich, Luella Eunice.....*Belvidere*
Graham, Phoebe Etta.....*Mt. Carroll*
Graves, Charles Arthur.....*Harland, Ia.*

Gridley, Harriet Charlotte.....*Evanston*
Gruber, Otis Merrill.....*Montgomery*
Hall, Lysle .....*Gelien, Mich.*
Hammer, Agnes Jane.....*Evanston*
Hanna, Janet .....*Evanston*
Harl, Ruth .....*Council Bluffs, Ia.*
Harris, Mame R.....*Fort Collins, Colo.*
Harrison, Hazel Ethelyne.....*Columbus City, Ind.*
Hart, Charles Henry.....*Evanston*
Hawley, Phronia Ellen.....*Laurens, Ia.*
Heimark, Elma Victoria .....*Clifford, Minn.*
Hem, Estella Lillia.....*Oswego*
Hickman, William Harrison.....*Ida Grove, Ia.*
Holcomb, Jessie .....*Parsons, Kan.*
Horner, Hazel Beatrice.....*Chicago*
Hull, Ina Straley.....*Chicago*
Hull, Ray LeRoy.....*Hanna, S. D.*
Jensen, Myrtle .....*Aberdeen, S. D.*
Keeton, William Elmer.....*Evanston*
Kemman, Ida Sophia.....*LaGrange*
Kendle, Faye Alta.....*Council Bluffs, Ia.*
Kendle, Ethel Winifred.....*Council Bluffs, Ia.*
Kennedy, Alice Lucile.....*Woodstock*
Kennedy, Laura Dawes... .....*Collins, Ia.*
King, May Elizabeth.....*Quincy*
Konsberg, Edna Matilda.....*Evanston*
Laing, Jessie Anna.....*Gladstone, Mich.*
Lambert, Helen.....*Austin*
Lee, Mary Louise.....*St. Charles*
Leigh, Maurice Chaffee.....*Evanston*
Linthicum, Lois .....*Evanston*
Longacre, Anna Sarah.....*Blue Island*
Loomis, Grace May.....*Osborne, Kan.*
Macdonald, Mary Edna.....*Evanston*
Mahony, Mary Clarissa.....*Maquokata, Ia.*
Martin, Alice Grace.....*Davenport, Ia.*
Mathews, Gertrude Blanfried.....*Cambridge, Ia.*
Maxheimer, William Albert .....*Mt. Pulaski*
McCartney, Elizabeth Gillin.....*Waterloo, Ia.*
Meeker, Marion Catherine.....*Muncie, Ind.*
Melone, Ella Edna.....*Sundale, Ohio*
Melvin, Daisy.....*Mound City, Mo.*
Mercer, Ida Emogene.....*La Moile*
Merrilies, Sarah Louise.....*Winnetka*

Merrill, Adaline Elizabeth.....*Evanston*
Miles, Louise Minor.....*Peoria*
Miller, Alice Ferne.....*Park Ridge*
Miranda, Max Garver.....*Walkerton, Ind.*
Morse, Mary Belle.....*Breckenridge, Mo.*
Mowry, Mary Emma.....*Coesse, Ind.*
Mulfinger, Mary Eleanor.....*Chicago*
Mulholand, Elizabeth Artlissa.....*Chicago*
Nash, Ethel May.....*Bowen*
Neely, Clara Grace.....*Evanston*
Nelson, Alice Elizabeth.....*Evanston*
Nelson, Grace Marie.....*Evanston*
Newburn, Mary Ellen.....*Hoopeston*
Newgard, Alice Bertina.....*Chicago*
Nichols, Mildred Gates.....*West Liberty, Ia.*
Noble, Pam.....*Evanston*
Norris, Marion Lela.....*Bellaire, Mich.*
Norton, Julia Ellen.....*Evanston*
Nusbaum, Carrie May.....*Middlebury, Ind.*
Nysewander Nacy Ethel.....*Des Moines, Ia.*
Oakes, Minnarose.....*Evanston*
Page, Constance Virginia.....*Correctionville, Ia.*
Patch, Marie.....*Hartley, Ia.*
Perry, Florence Mildred.....*Mt. Sterling*
Pennington, Hortense Evelyn.....*Mediapolis, Ia.*
Peterson, Ellen Louise.....*Loomis, Neb.*
Phelps, Helene.....*Evanston*
Phillips, Anna Viola.....*Rhodes, Ia.*
Porter, Bertha Belle.....*Apple River, Wis.*
Potter, Harry Rice.....*Leaf River*
Potter, Katherine Alene.....*Los Angeles, Calif.*
Preston, Eva Emeline.....*Strawberry Point, Ia.*
Prior, Lyman Pierce.....*Highland Park*
Pritchard, Fannie Isabelle.....*Geneseo*
Reed, Lietta Elizabeth.....*Chicago*
Reynolds, Eva Jane.....*Bolivar, N. Y.*
Rhodes, Florence Louise.....*Savanna*
Rice, Mary Alice.....*St. Joseph, Mich.*
Ricker, Anna Jewett.....*Turner, Me.*
Ripley, Dorothy Ione.....*Burlington, Ia.*
Robinson, Josephine Floyd.....*Red Rock, Mont.*
Sargent, Irene Marie.....*Evanston*
Seaman, Maurice Lewis.....*Battle Creek, Mich.*
Shannon, Mabel.....*Minneapolis, Minn.*

Sherer, Clara Belle ..... *Janesville, Wis.*
Shoupe, Ethel Corrine ..... *Evanston*
Sigmond, Luverne Nelson ..... *Zumbrotta, Minn.*
Sims, Vivian Florence ..... *Linton, N. D.*
Slack, Arthur Ray ..... *Canton*
Slater, Elba Ada ..... *Russell, Ia.*
Smith, Edna Olive ..... *Stuart, Ia.*
Smith, Gladys Mary ..... *Stuart, Ia.*
Smith, Mae Isabel ..... *Kewanee*
Snyder, Helen Louise ..... *Freeport*
Soltau, Theodore Stanley ..... *Evanston*
Spangler, Estelle May ..... *Maysfield, Kan.*
Stansel, Belle Irene ..... *Yorkville*
Steele, Fannie Corey ..... *Cherokee, Ia.*
Steele, Marie Patterson ..... *Lansing, Mich.*
Sterling, Mary Lenore ..... *Columbus Grove, Ohio*
Strouse, Norma Mildred ..... *Columbia City, Ia.*
Stryker, William Byrd ..... *Rockford*
Stults, Walter Allen ..... *Evanston*
Sundt, Cora May ..... *E. Las Vegas, N. M.*
Sweeney, Mary Lenore ..... *Pueblo, Colo.*
Sweet, Genevieve Ellen ..... *Evanston*
Tarkington, Esther Lucile ..... *Evanston*
Thomas, Lillian Gertrude ..... *Greeley, Ia.*
Thompson, Hazel ..... *Attica, Ind.*
Thomson, L. Berta ..... *Sedalia, Mo.*
Thygeson, Mamie Christine ..... *Utica, Neb.*
Townsend, Lowell Leslie ..... *Remington, Ind.*
Turner, Mary Maurine ..... *Wenona*
Virden, Sadie Margaret ..... *Evanston*
Ward, Esther ..... *Evanston*
Ward, Lena ..... *Evanston*
Waring, Ruth Augusta ..... *Evanston*
Waterbury, Mary Louise ..... *Evanston*
Watson, Alice Jessie ..... *Winnipeg, Man.*
Webster, Josephine Haviland ..... *Evanston*
Weis, Ezra Herman Franklin ..... *Reddick*
Wells, Alfred Burman ..... *Marysville, Mo.*
Wheeler, Lulu Agnes ..... *Detroit, Mich.*
Wilcox, Muriel Estelle ..... *Hammond, Ind.*
Willard, Marguerite ..... *Wilmette*
Williams, William Robert ..... *Racine, Wis.*
Young, Frank George ..... *Rock Island*
Young, Nathalie Hannah ..... *Chicago*
Zook, Samuel Enoch ..... *Belleville, Pa.*

Special Students

Adair, Gertrude ..... *Evanston*
Anderson, Daniel ..... *Wahoo, Neb.*
Barnes, Alice May ..... *Evanston*
Bates, Rose Cleveland ..... *Evanston*
Beaver, Winfield ..... *Shermerville*
Bennett, Howard Garfield ..... *Sioux City, Ia.*
Berg, William Gordon ..... *Chicago*
Betts, Edna ..... *Evanston*
Boice, Mary Edna ..... *Evanston*
Bott, Mrs. Alice King ..... *Evanston*
Bradwell, Esther Helen ..... *Chicago*
Broehl, Leland Peter ..... *Pana*
Buffington, Eugenia Moore ..... *Evanston*
Burrell, Florence Willets ..... *Chicago*
Campbell, Alice Birdine ..... *Wichita, Kan.*
Canfield, Wren Manley ..... *Murray, Ia.*
Carlson, Edwin Herbert ..... *De Kalb*
Clapp, Charles Russell ..... *Evanston*
Cobb, Helen Field ..... *Evanston*
Cochrane, Grace Irene ..... *Chicago*
Crosby, E. Isabel ..... *Evanston*
Dawson, Edwin Scott ..... *Evanston*
Day, Harriet Elizabeth ..... *Evanston*
Dean, Frances Caroline ..... *Evanston*
Degmair, Bertha ..... *Evanston*
Delphina, Sister ..... *Wilmette*
Delzell, Mabel Cora ..... *Logansport, Ind.*
Dewey, Mabel Janet ..... *De Kalb*
Dewey, Mrs. Mame Dexter ..... *Kenosha, Wis.*
Dewey, Perdita Irene ..... *Kenosha, Wis.*
Dewey, Vivian Persis ..... *Kenosha, Wis.*
DeYoe, Mrs. Harriet Eleanor ..... *Norwood Park*
Dudley, Marjorie Eastwood ..... *Chicago*
Dunn, Jessie Rose ..... *La Salle*
Dunn, Rachel Frances ..... *Warren, O.*
Dutton, Pauline Elizabeth ..... *Grand Junction, Ia.*
Ehmen, Emil Sebor ..... *Melvin*
Elliott, Margaret ..... *Chicago*
Ellis, Sherman Kingsbury ..... *Chicago*
Engstrand, Mabel Celia ..... *Evanston*
Ericson, Ralph Bernard ..... *Red Oak, Ia.*
Farup, Norman Irene ..... *Park River, N. D.*

Fate, Mayme Hazel.....*Bradford*
Fifield, Mrs. O. E.....*Evanston*
Forster, Eloise Brigham.....*Evanston*
Forster, Ethel Marguerite.....*Chicago*
Fraser, Mary Ann.....*Honey Creek, Wis.*
Freeman, Erceldean.....*Lead, S. D.*
Gardner, Elizabeth .....*Evanston*
Gloss, Lucie Clara.....*Elmhurst*
Goodsmith, Winifred Pearl.....*Chicago*
Grove, Isabella .....*Ottawa*
Hall, John Oscar.....*Chicago*
Halligan, Mary Ballard.....*Evanston*
Harkness, Cornelia Virginia.....*Chicago*
Hebblethwaite, Mrs. Anna.....*Evanston*
Henke, Mrs. Selma H.....*Charles City, Ia.*
Huegen, Gretchen.....*Winchester, Mass.*
Hull, Mary .....*Saunemin*
Jeter, Frances Lucy.....*Yorkville*
Johnson, Marcia .....*Cornell*
Johnson, Nelson Boulden.....*Box Grove, Ont.*
Jones, Emma Bronson.....*Oshkosh, Wis.*
Kahl, De Loss.....*Elburn*
Kappes, Marion .....*Evanston*
Kleiner, Helen Marie.....*Eau Claire, Wis.*
Knight, Francis MacMaster.....*Evanston*
Kranz, Eva Katherine.....*Evanston*
Lawson, Gordon McIntosh.....*Chicago*
Layman, Mrs. Sarah Nash.....*Evanston*
Leimbach, Elsa Charlotte.....*Chicago*
Lewis, George Draper.....*Evanston*
Looney, Charlotte May.....*Knoxville, Ia.*
McNair, Ruth Everard.....*Kalamazoo, Mich.*
McCauley, Jane Frances.....*Evanston*
McConoughy, Aden Davies.....*Evanston*
McConoughy, Artha May.....*Evanston*
McGown, Smith .....*Evanston*
McKee, Faye .....*Evanston*
McKennan, Maria Curtis.....*Paris*
Merrill, Lloyd Frank.....*Evanston*
Miller, Hugh Hickman.....*Macland, La.*
Miner, Lovina Lybrand.....*Richland Center, Wis.*
Mize, Ione Marilla.....*Evanston*
Moon, Herbert .....*Highland Park*
Morgan, Ruth Anzoenetta.....*Evanston*

Newell, Florence Eleanor.....*Monticello*
Newsome, Daisy Elizabeth.....*Chicago*
Nye, Edith Amelia.....*Evanston*
Nysewander, Bertha Elizabeth.....*Des Moines, Ia.*
Ormes, Ethel May.....*Evanston*
Parkes, Abbie Belle.....*Fillmore, Mo.*
Patten, Helen Prindle.....*Evanston*
Patterson, Thomas Marcus.....*Willow Springs, Mo.*
Pope, Edwina Lydia.....*Evanston*
Potts, Mary Ethel.....*Chicago*
Pratt, Mrs. Marian Ewell.....*Evanston*
Prell, Mrs. Louise W.....*Evanston*
Raymond, Margaret .....*Evanston*
Rea, Ernest Clair.....*Corydon, Ia.*
Record, Alice Leland.....*Evanston*
Redelinge, Leslie Hall.....*Marinette, Wis.*
Reid, Inis Elizabeth.....*Parsons, Kan.*
Replogle, Leta May.....*Red Oak, Ia.*
Ripley, Viola Belle.....*Evanston*
Richardson, Julia Elnora.....*Elgin, Minn.*
Robbins, Robert Bruce.....*Tacoma, Wash.*
Robinson, Thomas Henry.....*Marshfield, Wis.*
Rodelius, George August.....*Evanston*
Ross, Mary .....*Evanston*
Rundall, Bessie Louise.....*Evanston*
Sage, Dorothy Lewis.....*Evanston*
Salthouse, Eulalia Lucile.....*Bowen*
Schiltz, Mary Elizabeth.....*Sigourney, Ia.*
Sherman, Louise .....*Evanston*
Shurtleff, Alice Ethloine.....*Wilmette*
Simonds, Marshall Garfield.....*Chicago*
Simpson, Blanche Edith.....*Evanston*
Smith, Catherine Chapin.....*Evanston*
Smith, Ernau Blythe.....*Wilmette*
Smith, Mary Melrose.....*Evanston*
Smothers, Edgar Raymond.....*Rossville*
Stanbery, Edward .....*Evanston*
Stanton, Alvord Cooper.....*Richview*
Stewart, Mrs. Annette M.....*Evanston*
Stratton, Lillian Blanche.....*Chicago*
Strombeck, John Fred.....*Moline*
Stromberg, Alice May.....*Chicago*
Stuntz, Willard Glenn.....*Empire, Canal Zone, Panama*
Sweitzer, Harry Earle.....*Plano*

Thomas, Helen Elnora.....*La Grange, Ind.*
Traxler, Inez .....*Evanston*
Trelease, Ella .....*Evanston*
Virden, Ruth .....*Evanston*
Ward, Walter Thomas.....*Onarga*
Wells, Cherrill Isabella.....*Wilmette*
Wells, Marguerite .....*Evanston*
Wilbur, Mrs. Gertrude B.....*Chicago*
Williams, Delia Alice.....*Augusta, Wis.*
Woodmansee, Cicero McGown.....*Evanston*
Works, Frances Sudlow.....*Evanston*

GARRETT BIBLICAL INSTITUTE

Post-Graduate Course

Johnson, Neal, Toledo Western College.....*Red Oak, Ia.*

Degree Course

THIRD YEAR

Campbell, Marshall, A.B., McKendree College.....*McLeansboro*
Clapper, Oren Levi, A.B., Mount Morris College.....*Mount Morris*
Feldwisch, Wesley Samuel, A.B., B.D.....*Huntingburg, Ind.*
German Wallace College, Nast Seminary.
Johnson, Joseph Oliver, Ph.B., Iowa State University..*Cedar Falls, Ia.*
Law, John Granville, B.S., Northwestern University.....*Milton, Kan.*
McComb, Alfred H., Alma College.....*Grand Rapids, Mich.*
Merrell, Morton William, A.B., Northwestern University....*Evanston*
Newsom, Curtis Bishop, A.B.....*Chicago*
Earlham College, Chicago Divinity School, McCormick Theological Seminary.
Pennewell, Almer Mitchell, A.B.....*Vandalia, Mo.*
Central Wesleyan College.
Rulison, George Ledrew, A.B., Baker University.....*Iola, Kan.*
Thrall, Charles Haven, A.B., McKendree College.....*Flora*
Tink, Edmund Walter, A.B., Northwestern University..*Brooklin, Ont.*
Wardle, Addie Grace, A.B., A.M.....*Chicago*
Cornell College, Chicago Divinity School.
Wyant, Richard Moore, Iowa State University.....*Lansing, Ia.*

SECOND YEAR

Ball, John Rice, University of Puget Sound Academy..*Tacoma, Wash.*
Culver, Harry Clayton, A.B., Cornell College.....*Ryan, Ia.*
Gethmann, Walter Wesley, A.B., Charles City College....*Reinbeck, Ia.*
Geyer, Francis Lender, A.B., Baker University.....*Meriden, Kan.*
Grimes, Maggie, Normal School, Williamsburg.....*Decatur, Ohio*
Henke, Arthur William, A.B., Charles City College..*Charles City, Iowa*
Howard, George Parkinson.....*Montvideo, S. A*
Northwestern University.

Kingsley, Ira Willard.....*Cheyenne, Wyo.*
Linger, Freeman Oscar, B.S., B.Pd., A.B.....*Flatwoods, W. Va.*
Valparaiso University.
McMahan, Percy Reid, B.S., Valparaiso University..*Indianapolis, Ind.*
Prather, William Benjamin Scott, B.S., Simpson College..*Corning, Ia.*
Stolz, Karl, A.B., German Wallace College.....*Grand Rapids, Mich.*
Thrall, Harry Leonidas, A.B., McKendree College.....*Flora*
Walker, Joel Colson, A.B., Moore's Hill College.....*Harrison, O.*
Warner, Harry Chester, A.B., University of Denver....*Sterling, Colo.*
Wilson, John Edward, B.Pd.....*McCracken, Kan.*
Kansas Wesleyan University.
Wilson, William Jerome, A.B., Oberlin College.....*Lorain, O.*
Winker, Otto Louis, Central Wesleyan College.....*Belleville*
Wood, Harley John, A.B., Allegheny College.....*Waterford, Pa.*
Wood, Otho Don, A.B., Cornell College.....*Bedford, Ia.*

FIRST YEAR

Bain, Joseph Smith, Ph.B., Taylor University.....*Fallbrook, Ont.*
Cady, George Raymond, A.B., Hedding College.....*Brimfield*
Evans, John David, Ph.B.....*Gettysburg, S. D.*
Dakota Wesleyan University.
Flint, Harold W., A.B., Simpson College.....*Council Bluffs, Ia.*
Gable, Mearl Arthur, A.B., Simpson College.....*Denison, Ia.*
Gethmann, Charles Wesley, A.B.....*Gladbrook, Ia.*
Charles City College.
Hollingsworth, Thomas Russell.....*Grant City, Mo.*
Nebraska State University.
Jones, Harry Edgar, Ph.B., Morningside College.....*Indianola, Ia.*
Lawton, Burke Reed, A.B., Lawrence University....*Twin Bluffs, Wis.*
Lehman, John Otley, A.B., Findlay College.....*Decatur*
Leslie, William Robert, Northwestern University.....*Tolono*
Limper, Henry William, A.B., German Wallace College..*Kenosha, Wis.*
McDonald, Ernest William, Northwestern University....*Severy, Kan.*
McLaughlin, Oscar B., A.B., Baldwin University.....*Londonville, O.*
Nagler, Arthur Wilford, Ph.B., A.M.....*Charles City, Ia.*
German Wallace College, Baldwin University.
Rodgers, Charles Willis, B.S.....*Strawberry Point, Ia.*
Upper Iowa University.
Rogers, John Edward, Lenox College.....*Scales Mound*
Simmonds, James Pottenger, A.B., National Normal.....*Miami, O.*

Diploma Course

THIRD YEAR

Abbott, Clarence Claud, Epworth University.....*Hilsboro, Okla.*
Airheart, Walter Lee, Parker Institute.....*McAlister, Okla.*
Carlin, George Wyle, B.S., Hedding College.....*Orion*
Glassburn, Hugh Damson.....*Oak Park*
Greening, Harry Edgar, Chaddock College.....*Loraine*
Herrick, Lida .....*Omaha, Neb.*
Hillary, George John, Platteville, State Normal.....*Rochester*
James, George Edgar, B.S., Northwestern University.....*Rochester*
Jones, Lucian Berry, B.S., Parsons College.....*Fairfield, Ia.*
Jones, Ralph Colton, A.B., University of Cincinnati....*Cincinnati, O.*
Lee, Thomas Otto.....*Cairo*
Magee, Davis Buxton, Mount Union College.....*Carrollton, O.*
Meyer, John Henry, Illinois Normal School.....*Chambersburg*
Parks, James William, Missouri Wesleyan College.....*Osborn, Mo.*
Peache, Alfred .....*Chicago*
Pratt, Francis Marion, Northwestern University.....*Walnut*
Reed, Charles Mortimer.....*Lyons, Kan.*
Rhoads, Dwight Earl, Heidelburg University.....*Toledo, O.*
Ripley, Louis E., Simpson College.....*Fort Morgan, Colo.*
Welch, Ray D., B.S., Ohio Northern University.....*Ada, O.*
Witherbee, Hiram Scott, Denver University.....*Belmont, Wis.*
Wood, Allen Hiram, Cornell College.....*Emmetsburg, Ia.*

SECOND YEAR

Andrews, Novvel Vane.....*Lehigh, I. T.*
Bartlett, Edward Clayton, Iowa State Normal.....*Evanston*
Bissinger, Jacob, Iowa Wesleyan University.....*Wapello, Ia.*
Bohnert, Leslie, University of Wooster.....*Hayesville, O.*
Brown, Thomas Sainsbury.....*Eleva, Wis.*
Chew, Nathaniel Durbin.....*Adrian, Mich.*
Cole, Ezra Orlando.....*Osborn, Mo.*
Dewhirst, Guy .....*Noble*
Edmondson, Stuart Berton, McKendree College.....*Evanston*
Fisher, Earl Vernon, A.B., Cornell College.....*Columbus, Wis.*
Hamrick, Lewis Albert.....*Plattville*
Hurtte, William LeRoy, Ohio Wesleyan University....*Painesville, O.*
James, William John.....*Colby, Wis.*
Keane, David A., A.B., Ohio Northern University.....*Essex, Ont.*
Maxwell, Albert Thomas, Allegheny College.....*Steubenville, O.*

Millholland, Paul, Ohio Wesleyan University.....*Austin*
Pardun, William Byron, Moody Institute.....*Clarion, Ia.*
Pascoe, William Howard.....*Lemont*
Prell, Herbert Theodore, Wallace Baldwin College....*Batesville, Ind.*
Rainsberger, Adam Clarke, Valparaiso University.....*Roswell, O.*
Rea, Ernest C., Simpson College.....*Corydon, Ia.*
Rogers, Schuyler Colfax.....*South Bend, Ind.*
Swanson, Arthur Albin.....*Jamestown, N. Y.*
Vandervoort, Riley James.....*Frankfort*
Vaughan, George Warren.....*Unity, Wis.*
Wilkins, Charles Calvin, Simpson College.....*Des Moines, Ia.*
Wilson, Willis Ray.....*Elwood*
Woodmansee, Cicero McGown, Northwestern University.....*Evanston*
Woodrow, Isaac Atmore.....*Chicago*

FIRST YEAR

Bain, Benjamin Langford, Taylor University.....*Fallbrook, Ont.*
Baldwin, Leo Elmer, Rush Medical.....*Council Bluffs, Ia.*
Barnstable, Reginald, Illinois State Normal.....*Isabel, Kan.*
Bennett, Howard G., Morningside College.....*Hinton, Ia.*
Bigler, William Frederick, Taylor University.....*Upland, Ind.*
Cates, Silas Louis, DePauw University.....*Topeka, Ind.*
Coyne, Robert J.....*San Jose, Cal.*
Dennis, Stanley Arthur, Cornell College.....*Winslow*
DeYoe, Jay Willard, Iowa Wesleyan University.....*Keota, Ia.*
Edmondson, Charles Manson.....*Evanston*
Ellis, John Sherman, Cammon Hayward College.....*Fairfield*
Ellis, Harriet Catherine.....*Fairfield*
Grove, Paul Luther, Dakota Wesleyan University.....*Leipzig, N. D.*
Hanaman, Frank Porter, Moody Institute.....*Chicago*
Heersema, William .....*Bradley*
Hoon, Clarence Earl.....*Kokomo, Ind.*
Johnson, John Andrew.....*Racine, Wis.*
Kephart, Harvey .....*Mt. Ida, Wis.*
King, Clyde David.....*Independence, Mo.*
Leavitt, Nathaniel Witcher.....*Chicago*
Leitzell, Charles Edward, Dixon College.....*Evanston*
Lewis, George Edward.....*Fife Lake, Mich.*
Martin, Laurel Vollie, Baker University.....*Independence, Kan.*
McDade, Edwin Charles, A.B., Cornell College.....*Red Oak, Ia.*
Munch, Henry Curtis, Illinois Wesleyan University.....*Lovington*
Nixon, Frederick Butler.....*Sac City, Ia.*
Parker, Thomas Leroy, Southwestern College.....*Winfield, Kan.*

Payton, Julius Byrd, Southwestern College.....*Seward, Kan.*
Pearson, John Lawrence. Central University.....*Colchester*
Powell, William Frank, Ph.B., Denison University.....*Granville, O.*
Prall, James Henry, Simpson College.....*Des Moines, Ia.*
Quayle, John Edward.....*Isle of Man, England*
Rarick, Monroe Jackson, Simpson College.....*Osceola, Ia.*
Rarick, Jennie, Simpson College.....*Osceola, Ia.*
Ringler, William Henry.....*South Bend, Ind.*
Shroyer, James Leslie, B.S., Moore's Hill College.....*Painville, Ind.*
Smith, William West, Hamline University.....*Medford, Minn.*
Stixrud, Adolph Oswald.....*Evanston*
Wallace, Samuel .....*Spokane, Wash.*
Wall, Erastus Lewis, A.B., LL.B.....*Rockport, Maine*
Bates College, University of Maine Law School.
Wickard, Morten Dennis, Simpson College.....*Maxwell, Ia.*

Special Students

Arlander, Ragnar Andreas.....*Evanston*
Buffett, Clyden E.....*Kewanee*
Day, William Henry.....*Evanston*
DeYoe, Harriet Eleanor, Iowa Wesleyan University.....*Keota, Ia.*
Edwards, Phirman, Moody Bible Institute.....*Chicago*
Greening, Mrs. Harry Edgar, Chaddock College.....*Loraine*
Heilman, Ralph E., Ph.B., A.M.....*Ida Grove, Ia.*
Morningside College and Northwestern University.
McLaughlin, Mary Luella.....*Londonville, O.*
Nagley, Frank A., A.B., Northwestern University.....*Sheldon*
Rostock, Benjamin, Northwestern University.....*Oregon, Mo.*
Shearer, Ralph C., B.S.....*Chapelle, S. D.*
Dakota Wesleyan University.
Shroyer, Estelle Mae.....*Plainville, Ind.*
Thrall, Gertrude, McKendree College.....*Evanston*
Will, Benjamin .....*Chicago*

Students of the College of Liberal Arts Taking Work in Garrett Biblical Institute

Bogardus, Emory C.....*Belvidere*
Culver, Elva Pearl.....*Evanston*
Haile, Charles H.....*Evanston*
Hardy, Olive A.....*Mankato, Minn.*
Pollock, Samuel E.....*Orland*
Turner, Jay Boyd.....*LeRoy, Ind.*

Students of the Norwegian-Danish Seminary Taking Work in Garrett Biblical Institute

Folkestad, Hallvard.....*Perth Amboy, N. J.*
Foss, Tobias.....*Brooklyn, N. Y.*
Goli, Christian J.....*Brooklyn, N. Y.*
Helikson, David.....*Arcadia, Mich.*
Henningson, H. G.....*Oakland, Cal.*
Hermansen, Andrew.....*Los Angeles, Cal.*
Pedersen, Peder Waage.....*Brooklyn, N. Y.*
Thornell, Jacob.....*Westby, Wis.*

SWEDISH THEOLOGICAL SEMINARY

FIRST YEAR

Alderin, Axel .....*Illinois*
Carlson, Adolph William.....*California*
Erickson, Carl John.....*Illinois*
Ericson, Rudolph .....*Illinois*
Goertz, John Thade.....*Pennsylvania*
Johnson, Otto Albin.....*Wisconsin*
Liljevall, C. R.....*Rhode Island*
Magnuson, Carl Emil.....*Illinois*
Olson, Egnar .....*Iowa*
Wistrom, Edvin Carl.....*Nebraska*

SECOND YEAR

Anderson, Edward .....*Illinois*
Livingstone, Theodore .....*Michigan*
Nyden, John August.....*Sweden*
Sundberg, Oscar .....*Michigan*
Swanson, Paul .....*Nebraska*
Wahlstrom, Gustav .....*Oregon*

THIRD YEAR

Challman, Oscar Frederic.....*Illinois*
Englund, Joseph Emanuel.....*New York*
Lund, Elmer .....*Wisconsin*
Olson, John .....*Minnesota*
Olson, Olof Emanuel.....*New York*

Pearson, Axel ..... *Illinois*
Strombom, Oscar William..... *Illinois*
Wells, Carl ..... *Illinois*

FOURTH YEAR

Chellberg, Otto ..... *Kansas*
Edlund, Skold ..... *New York*
Hillman, Axel Emanuel..... *Kansas*
Lawrence, Brynolph ..... *Illinois*
Lindquist, Cyrus ..... *Illinois*
Moberg, Theodore ..... *New York*

NORWEGIAN-DANISH THEOLOGICAL SCHOOL

Falkestod, Halvdor ..... *Perth Amboy, N. J.*
Fosdale, Sigbjöron..... *Stoughton, Wis.*
Foss, Tobias..... *Brooklyn, N. Y.*
Goli, Christian J..... *Brooklyn, N. Y.*
Haugland, Peter O..... *Virginia, Minn.*
Helikson, David..... *Arcadia, Mich.*
Henningsen, Henning..... *Oakland, Cal.*
Hermansen, Andrew..... *Los Angeles, Cal.*
Hofslad, Ottar..... *Stordcn, Minn.*
Jóranson, Carl A..... *Muskegon, Mich.*
Kvisgaard, Gustav..... *Duluth, Minn.*
Longness, Raewal B..... *Minneapolis, Minn.*
Pederson, Peder Waage..... *Brooklyn, N. Y.*
Redland, Harold O..... *Everett, Wash.*
Staatte, Iver Tobias..... *Thief River, Minn.*
Stone, Jens O..... *Evanston*
Thornell, Jacob..... *Westby, Wis.*
Thorpe, Robert O..... *Boston, Mass.*

DEGREES CONFERRED IN 1907

HONORARY DEGREES

CHARLES WARREN FAIRBANKS.....*Doctor of Laws*
Vice President of the United States.

GEORGE HENRY SIMMONS.....*Doctor of Laws*
Editor of the Journal of the American Medical Society.

SPENCER LEWIS, A.M.....*Doctor of Divinity*
Of the class of 1879.

STANLEY PATTERSON BLACK.....*Master of Arts*
Of the class of 1882.

DEGREES IN COURSE

TARO KINUGAWA.....*Doctor of Philosophy*
Thesis: Recent developments and tendencies in the sugar industry and trade of the United States.

CHARLES EDGAR CORBIN.....*Master of Arts*
Thesis: The approximate solution of numerical equations by means of osculating conics.

LLOYD LYNE DINES.....*Master of Arts*
Thesis: Certain methods of investigating numbers of the forms $6^{ks} + 1$.

GRACE MARGARET HARRIS.....*Master of Arts*
Thesis: A metrical version of the story of William the Silent.

RALPH EMERSON HEILMAN.....*Master of Arts*
Thesis: Chicago traction: a study of the efforts of the public to secure good service.

HENRY STANLEY HOLLENBECK.....*Master of Arts*
Thesis: Early diagnosis of abdominal hemorrhage.

DANIEL LASH MARSH.....*Master of Arts*
Thesis: History of the Polish immigration in the seventeenth ward in Chicago.

JOHN AARON NYE.....*Master of Arts*
Thesis: A study of Sir Kay in Celtic and mediaeval romance.

MARY RAYMOND.....*Master of Arts*
Thesis: The evolution of the present constitution of the State of Illinois.

GILBERT HENRY ANDREW RECH.....*Master of Arts*
Thesis: The development of the lungs and pulmonary artery in birds.

ELSA AUGUSTA ROESSLER.....*Master of Arts*
Thesis: The influence of the Minnesong upon Uhland's poetry.

ELI JACOB RUTT.....*Master of Arts*
Thesis: Mental processes in conversion.

ARTHUR HAWLEY SANFORD.....*Master of Arts*
Thesis: Simultaneous sphygmomanometric pressures as modified by postures.

ALVIN DANIEL SCHUESSLER.....*Master of Arts*
Thesis: A study of Grillparzer's life and works.

JOHN HUBERT SCOTT.....*Master of Arts*
Thesis: A critical discussion of Hawthorne's style in "Twice Told Tales."

FRANK OSCAR SMITH.....*Master of Arts*
Thesis: Chinese-American diplomatic relations.

WILLIAM HENRY TRAINUM.....*Master of Arts*
Thesis: The servant of Jehovah in Isaiah, XL-LIII.

NEWELL CLARK GILBERT.....*Master of Science*
Thesis: Infection of man by dipterous larvae with report of four cases.

MABEL MAY HEREN.....*Master of Science*
Thesis: Families of conics orthogonal to a given conic.

STANLEY RICH.....*Master of Science*
Thesis: A discussion under the English, French, and German laws of the rights and liabilities of parties to a contract entered into under a mistake of either one or both parties as to its legal effect.

Bachelor of Arts

Anna Olivia Anderson
George Leonard Apfelbach
Blanche Wasey Ballamy
Eleanor Beaton
Earnest Oliver Bendix
Earle Avann Bronson
Josephine Charlotte Brown
Isabel Clifton Bullock
Harriett Kendall Burr
Florence Julia Butz, as of the class of 1906
John Richard Cheuvront
Fred Homer Clutton
Edith Cox
Blanche Davenport
Mary Elizabeth Dolan

Clara Belle Donn
Alma Catharine Eizinger
Edith Lois Fonda
Henry Augustus Gilruth
Alice Julia Griffin
Rena Marshall Handy
Francis Laird Harwood
Lilian Ethel Herstein
Louise Hobart
Charles Edgar Honnold
Sibyl Eunice Horning
May Hughes
Caroline Christine Isaacson
Carl David Johnson
Arthur Nelson Julian
Alice Keith
Helen Otilda Klatt
Irmagarde B. Leach
Edith Alice Lennox
Cyrus Elroy Lindquist
Lena May Linn
Grace Eva Lomelino
Carl Samuel Long
Mayme Dee Long
Edna Newton McCallum
Edward Marsh McConoughey
Eleanor McDonald
Harrison McJohnston
Fred Robert Melick
Ruth Bower Minium
Walter Waugh Murphy
Frank Alvin Nagley
Lulu Irene Nelson
Hattie Antonia Niehoff
Jane Bradford Parkinson
Grace Louella Pierson
Carolyn Piper
Lucile Rader
Edna May Ramsey
Samuel E. Reecher
Elise Eugenie Roessler
Guy Henry Rutt
Elmer John Schafer
Elizabeth Schreiber
Olive Gail Seeley
Queen Lois Shepherd
James Lyon Sparling
Florence Jeanette Speck
Jessie Veronica Sutter
Edmund Walter Tink
Bina Mae Traxler
Hilda Mary Vivian
Anne Lucile White
Sarah Yount

Bachelor of Science

Flossie Alma Abernethy
Elmer Sanford Albritton
Nathaniel Alcock
John Alford Ayling
Alice Natalia Beers
Frances Benson
Albert Ralph Beyer
Flint Bondurant
Andrew Bonthius
Ella Harriet Bradley
Everett Eugene Bragg
Martha Edna Brodby
Gus Scott Brown
Ethel Frank Bryant
Anna Lavinia Burdick
Martin Rist Chase
Jesse Peryle Cocayne
Claude Buchanan Cumnock
Arthur Floyd English
Effie Jennie Fixen
Clyde Dwight Foster
Henry Jacob Friesen
Lloyd Roland Gates
Francis Martin Gibson
Samuel Harvey Gilbert
John Paul Gilbreth
Mary Louise Gilchriese
Fannie Eva Gillan

Orval Trimble Gillet
Benjamin Curtis Glover
Violette Amy Good
Edith Irene Gorsuch
Eleanor Jean Hall
Frederick August Hauck
Melvin Moses Hawley
Daniel Franklin Higgins
Lola Sevilla Hitch
Mabel Lola Imus
John Henry Jahnke
Carl Francis Jordan
Ruby Mabel Kirk
Earle Buxton Kittleman
Raymond Casler Kotz
Victor Emery Charles McCulloch
David Randolph McGrew
Payson La Vern Nusbaum
as of the class of 1905
Sarah Rush Parks
Thomas Lansing Porter
Miner Raymond
Lewis Alpheus Reisner
Estella Rinehart
Charles Samuel Roberts
Lloyd Ruby Roberts
Jasper Frederick Rommel
Isaac Irving Scott
Alice Emeline Shedd
Sarah Carleton Shute
Robert Jason Smith
Sarita Priscilla Smith
William Clay Smoot
Thaddeus Stevens Snell
Chauncey Lawder Strattan
Mabel Warner Thompson
Florence Victoria Wallace
Axie Del Watkins
Nellie Wilkinson
Glenn Porter Wishard
Martha Mae Zachman

Doctor of Medicine

Charles Noble Abbott
David Ackerman
Henry James Andrews
Felix Carpenter Antoine
Harvey Combs Asher
Arthur Jay Bailey
Walter Stanley Bardwell
David Luther Barnard, B.S.
William Henry Beach
Sherman Edwin Bigler, A. B.
Tracy Wentworth Blachley
John Michael Bohan
Palmer Edwin Brandon, A. B.
Roger Newman Brown
Fred Watson Buckley
Harry Ernest Burger
Thomas Ralph Castles
Meade Clyne
Albert James Coates, B. S.
Elmer Ledley Cohenour
Louis Leonard Corcoran
Alexander Crawford Craig
Franklin Harold Crail
Edward Woolley Croft
Ernest Arthur Dale
Guy Bernard Desparois
Lorenzo Simeon Dewey, A.B.
Adam Elmer Diller, B.S.
Clareld Edison Dorland, Ph.C.
John Edgar Colloran, M. D.
William Henry Connor, A. B.
Clarence Edgar McClelland
Earl Vinton McComb, A.B.
Louis Leroy McIntyre
William Humphreys Miller
Ralph Garfield Mills, A.B.
Clairmont Hogue Mitchell, A.B.
Edward Clay Mitchell
Joseph Franklin Moell, B.S.
John Richard Morgan

Joseph Harry Doupe
Leo Garnet Dwan, B.S.
Thomas Oscar Edgar, M.S.
Arthur Barnett Eustace
Frank C. Farmer
Edward Joseph Farrell
Sanford W. Forbush
Harley Ellsworth French, A.B.
Philip George Frey
John Garfield Frost
John Howard Garberson, B.S.
Robert William Thomas Garner
John Dewalt Geissinger
Newell Clark Gilbert, B.S.
Bert Fuller Gleason
Jesse Earl Gossard, M.S.
Joseph Grahek
George Lester Gray
Austin Lenhart Green, A.B.
Oliver Prescott Hamilton
Louis Handleman
Jacob Dwight Harding
Walter Edmund Hatch
Chalmers Alexander Hill, A.B.
Michael Martin Hofer
Edmond Arthur Holberg
Henry Stanley Hollenbeck, A. B.
Marinus Larsen Holm, Ph.C.
Carl A. Homan
Frank Bernard Hoover
Nelson Kingsley Hopkins
Carl Da Costa Hoy
August Benjamin Hromadka, Ph.G.
Thor Jager Jager
Robert Currie Johnston, Ph.G.
John Adam Kappelman, B.S.
Roy Foster Karney
Laurence Elam Kelley, B.S.
Ira D. Kelsheimer
Joseph Edward Keltner, B.S.
Robert Bevan Kershaw, Ph.G.
Alfred Darwin Kirby
Oscar Bernhardt Lambert
Raymond Clark Morse
Albert Nicholas Mueller
Fred Elmer Munch
Sidney Cleveland Niles, A.B.
Stephen James O'Brien
Joseph Julius Oppenheim
Matthew Morrison Patton
Samuel Perlstein
Charles Frederick Peterson
Ward Kendrick Porter
Herbert Andrew Ray
Fred Eli Redman
Frank Henry Relihan
Will Augustus Ribbeck
Karl Franklin Roehrig
Elton Bane Rogers, A.B.
Levi Gilbert Ross
Charles Gilbert Sabin, B.S.
Arthur Hawley Sanford, A.B.
Andrew Clarence Schoch
Howard Addison Sharpe, Ph.C.
George Porter Shidler, A.B.
John Ewald Siebel, Ph.C.
Leslie Bennett Sims
James Golden Stewart
Frank Sorgatz
John William Stanton
Brand Starnes
James Golden Stewart
Thomas Jobson Swantz, B.S.
George Wilkins Swift, Ph.G.
Arthur Teitgen
Fred Gaither Thayer, A.B.
James Stanley Thomas
Henry J. Told
Emil Ernest Torell, A.B.
Elmer Davis Twyman
John Michael Uhrich
Gonzalo Valenzuela, H.B.
John George Vaughan, B.S.
Allison Temple Wanamaker, Ph.G.
Max C. Weidner
Harry Weil
William Charles Wilson

Jacob Gotlaub Levinson
George Reed Little
Benjamin Franklin Lounsbury, B.L.
Leo Joseph Witkowski
Samuel Alvin Zimmerman

Bachelor of Laws

Francis Adams, A.B.
Harry Irwin Allen, B.S.
Howard Thompson Ballard, A. B.
Burney Essley Brower
Earle Wesley Brown
John Arthur Bugee
James Francis Burns
Michael Lawrence Carmody
Lawrence Alfred Cohen
George William Crossman
Kenneth Howard Davenport, A.B.
Harry Lea Dodson
Henry Dvorak
James Jackson Forstall, B.S.
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Ezra Jacob Frantz
Eli Goldstein
Edwin Carsten Hansen
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Roy Wilson Hill, B.S.
James Thomas Jarrell, A.B.
Lambert Kaspers
Albert Krusemark
Philip N. McCaughan
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Stanley Rich, B. S.
Myron Cyrus Rogers
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W. Paul Sebastian
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Frank Oscar Smith, B.S.
Harry Edward Smoot, A.B.
Charles Henry Starke
Ernest James Stevens, Ph.B.
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Samuel Arthur Strauss
Charles Edward Swanson, A.B.
Katsutaro Tanigoshi
Barry Eyre Townsend
Julius Francis Wengierski
George Williams
Royal Andrew Willson, B.S.
Homer Whallon Woodbury

Pharmaceutical Chemist

Samuel Benensohn
Howard Creswell Brown
Francis Elliott Hitchcock
Clifford J. Holmes
Mary Angela McDonald
Arthur Schuh Metzger
Clarence R. Rex
Lester Lee Rink
Charles Eldred Timson

Graduate in Pharmacy

Oscar Henry Alexander
George Arganbright
Joseph William Askew
Leo Melzer Baughman
Samuel Benensohn
Martin Redmond Brearton
William John Brennan
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Earl Edmund Sweet
John Edward Thompson
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Axie Del Watkins
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Jacob Charles Woolf
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Doctor of Dental Surgery

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Arthur Cornelius Agern
Delbert Arthur Akin
Lafe Carl Allender
Edward R. Danforth
Don Delbert Drake
Dorsey D. Fisher
John Elder Forsyth

Carleton N. Barrett
Edward John Bast
Armin Peter Baur
Charles Edgar Bell
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Cline Brockman
Evan Alma Brown
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Moses Anthony Cassill
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Willard Thomas Conley
Orra Ivan Cook
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Ota F. Foster
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Harry Edward Lawver
Arthur Brush Lee
Alvin Barton Linne
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Simon Maurice Rightman
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Harmon Stuart Scranton
Harry L. Sedwick
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John Lawrence Wehrheim
John Joseph Wilson
Paul W. Winthrope
Jacob H. Wipf

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Maude Darling Anguish
Florence Virtine Frost
Esther Christine Hinman

Diploma in Music

Lura Mary Bailey
Hazel Virginia Seerley
Carl Anson Songer

Graduate Nurse

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Blanche Lucy Clouthier
Frances Coles
Anne Lydia Crowley
Mary Elizabeth Doran
Grace Lorena Downey
Margaret Bernadine Grady
Genevieve Hannon
Mary Monica Lonergan
Kathryn Iona Monahan
Jane E. McNulty
Agnes Neary
Amelia Janet Ryan
Alice Smith
Catherine Ward
Mary Agatha Welch

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Elsa Boyd
Minna Crooks
Mabel Adella Fitz Simons
Bessie Mabel Fuller
Della Gregory
Ida Marie Iverson
Alma Barbara Kundert
Olive Blanche Lind
Etta Christine Logan
Mildred Marsden
Jennie Georgine Mills
Cora Moler
Marion Belle Nuckles
Florence Olmstead
Mae Peregrine
Blanche Clementine Rodebush
Frederica Katherine Schock
Pearl Thomas
Effie Luella Ward
Edith Genevieve Willis

PRIZES AND HONORS FOR 1906-07

University

GAGE PRIZE, for excellence in debate: Frank M. Beatty, A.B., Gilbert Lewis Campbell, Ralph E. Heilman, Ph.B., Alfred A. Isaacs, James Nicholas Lorenz, A.B., Floyd M. Stahl.

In the College of Liberal Arts

THE KIRK PRIZE, for excellence in Oratory: Glenn Porter Wishard.

THE SARGENT PRIZES, for excellence in Declamation: First prize, Arthur Thompson Jolley; second prize, Samuel Harvey Gilbert.

THE HARRIS PRIZE, in Political and Social Science: Ralph Emerson Heilman, Ph.B.

In the Medical School

SPECIAL HONORS AT GRADUATION

MAGNA CUM LAUDE: Alfred Darwin Kirby, Leo Joseph Witkowski.

CUM LAUDE: Arthur Edmond Holberg, Thor Jager Jager, Fred Elmer Munch, J. Howard Garberson, B.S., Charles Frederick Peterson, Harley Ellsworth French, Samuel Alvin Zimmerman, Ph.B., Ralph Garfield Mills, A.B., John Dewalt Geissinger, Elton Banes Rogers, A.B., Louis E. Handleman, Leo Garnet Dwan, B.S., Carl DaCosta Hoy.

INTERNESHIPS

COOK COUNTY HOSPITAL; John Dewalt Geissinger, Arthur Barnett Eustace, John Howard Garberson, Robert Guy Stevenson, 1906, Louis E. Handleman, Joseph Julius Oppenheim, Leo Garnet Dwan, Leo Joseph Witkowski, Arthur Edmond Holberg, Alfred Darwin Kirby, Elton Bane Rogers.

Mercy Hospital; Carl DaCosta Hoy, Frank Sorgatz, Alexander Crawford Craig, Frank Bernard Hoover, Palmer Edwin Brandon, John Garfield Frost.

Wesley Hospital; Fred Elmer Munch, Laurence Elam Kelley, William Henry Beach, John George Vaughan.

St. Luke's Hospital; Samuel Alvin Zimmerman, Newell Clark Gilbert, George Porter Shidler, Ralph Garfield Mills, Thomas Oscar Edgar.

The Alexian Brothers Hospital; Edward Clay Mitchell, Fred Eli Redman, Max C. Weidner.

The Chicago Lying-in Hospital; Charles Noble Abbott, James Stanley Thomas, Nelson Kingsley Hopkins, Harley Ellsworth French, Adam Elmer Diller, Robert Currie Johnston, Ira D. Kelsheimer, Roger Newman Brown.

The Alexian Brothers' Hospital, Elizabeth, New Jersey; Robert Bevan Kershaw.

The Baptist Hospital; Jesse Earl Gossard.

St. Luke's Hospital, Denver, Colorado; Karl Franklin Roehrig.

Rockford Hospital, Rockford, Illinois; George Reed Little, Walter Stanley Bardwell.

Milwaukee County Hospital, Wauwatosa, Wisconsin; Henry Stanley Hollenbeck, Howard Addison Sharpe, Raymond Clark Morse.

St. Mark's Hospital, Salt Lake City, Utah; David Luther Barnard.

Oak Park Hospital; Harry Ernest Burger.

McKeesport Hospital, McKeesport, Pennsylvania; George Wilkins Swift, Elton Bane Rogers, Tracy Wentworth Blachley.

Englewood Union Mospital; Fred Watson Buckley, William Henry Conner, Franklin Harold Crail.

Provident Hospital; Brand Starnes, Elmer Ledley Cohenour.

St. Barnabas Hospital, Minneapolis, Minnesota; Joseph Grahek, William Humphreys Miller.

St. Francis' Hospital, Wichita, Kansas; Thor Jager Jager, Elmer Davis Twyman.

The Chicago Policlinic Hospital; Sherman Edwin Bigler.

Columbus Hospital; Clairmont Hogue Mitchell, Nelson Kingsley Hopkins.

Hospital for Consumptives, Dunning, Illinois; John Adam Kappelman.

St. Anthony's Hospital; Roy Foster Karney.

Ravn's Hospital, Merrill, Wisconsin; Leslie Bennett Sims.

Illinois Charitable Eye and Ear Infirmary; Allison Temple Wanamaker.

St. Elizabeth's Hospital, Danville, Illinois; Ernest Arthur Dale.

St. Joseph's Hospital, St. Joseph, Missouri; Joseph Edward Keltner.

In the Law School

The Henry Sargent Towle Prizes, for proficiency in Public Speaking: First prize, Alexander Pitcairn Lindsay, A.B.; second prize, John Lewis Gust, Ph.B.

The Callaghan Prize, for the best scholarship throughout the course: Samuel Arthur Strauss.

The George Washington University Prize, for the best essay on Comparative Law, open for competition to students in all law schools in North America and South America: Stanley Rich, B.S.

Honorable Mention for Excellence in Scholarship: James Jackson Forstall, B.S.

In the School of Pharmacy

Honorable Mention for Excellence in Scholarship: Ferdinand William Nitardy.

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626 Library Street, Evanston, Illinois

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WALTER DILL SCOTT, 1895
EDWARD STANLEY CRAVEN, 1905

TERM EXPIRES 1909

MYRON EUGENE TAYLOR, 1906
CARLETON HENRY PENDLETON, 1898
CHARLES WILLIAM SPOFFORD, 1896
CARL NELSON SHARP, 1898

TERM EXPIRES 1910.

JAMES FRANKLIN OATES, 1893
FRANK MACAJAH ELLIOTT, 1877
JOHN LEWIS ALABASTER, 1892
FRANK ALVIN NAGLEY, 1907

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4862 Washington Avenue, Chicago, Illinois

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103 State Street, Chicago, Illinois

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70 State Street, Chicago, Illinois

OTTO STEVE PAVLIK, 1904.....*Necrologist*
465 Milwaukee Avenue, Chicago, Illinois

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Glencoe, Illinois

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1110 Fisher Building, Chicago, Illinois

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Superior Court, Chicago, Illinois

JOHN JUDAH PECKHAM, 1903.....*Third Vice-President*
1050 First National Bank Building, Chicago, Illinois

ROSWELL BERTRAM MASON, 1897.....*Secretary*
81 Clark Street, Chicago, Illinois

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State Bank, Chicago, Illinois

The Alumni Association of The Law School has been engaged in forming local Branches of the Association in every State and Territory in which there are Alumni of the School, as well as in each judicial district of Illinois outside of Cook County. A Secretary has been appointed in nearly every one of these jurisdictions—some fifty-four in all.

State	Secretary
Alabama	*Bessemer*
	William H. H. Judson, 1865.
Arizona	*Phoenix*
	Henry B. Wilkinson, 1899.
Northern California	*San Francisco*
	Theodore W. Hubbard, 1896, Parrott Bldg.
Southern California	*Los Angeles*
	George P. Adams, 1887, Bullard Block.

Colorado ..... *Denver*
A. Lee Doud, 715 Ernest & Cramner Bldg.

Idaho ..... *Lewiston*
James E. Babb, 1884.

Indiana ..... *South Bend*
Thaddeus M. Talcott, Jr., 1896.

Indian Territory .....*Sapulpa*
Harry Campbell.

Iowa ..... *Knoxville*
Robt. L. Welch, 1903.

Kansas ..... *Wichita*
Theodore H. Morrison, 1895, 1604 Fairmont Ave.

Kentucky ..... *Sharpsburg*
J. Cylde Nelson, 1888.

Michigan .....*Sault Ste. Marie*
Henry F. Metzger, 1897.

Minnesota .....*Minneapolis*
A. B. Choate, 1883, 410 Temple Court.

Missouri .....*Kansas City*
Jacob A. Harzfeld, 1897, 525 New York Life Bldg.

Montana ..... *Helena*
Richard A. Harlow, 1885.

Nebraska ..... Bennett
Alonzo P. Tarbox, 1891.

New England .....*Boston*
William F. Poole, Jr., 1893, 185 Franklin St.

New Jersey .....*Newark*
Oliver L. Brown, 1894, 26 Telephone Bldg.

New Mexico ..... *Albuquerque*
Andrew M. Adams, 1897.

New York ..... *Amsterdam*
William F. Myers, 1893.

North Carolina .....*Raleigh*
James L. Curtis, 1893.

North Dakota ..... *Grafton*
Edward R. Sinkler, 1896.

Ohio ..... *Hicksville*
Joseph D. Kerr, 1884.

Oregon ..... *Portland*
Charles H. Glos, 1894, 218 Chamber of Commerce.

Pennsylvania ..... *Beaver*
Forest G. Moorehead, 1901.

South Dakota ..... *Forest City*
John F. Whitlock, 1882.
Texas ..... *Waco*
Edward W. Hander, 1894.
Utah ..... *Salt Lake City*
Robert N. Freeman, 1879.
Virginia ..... *Elmont*
Clare E. Crawford, 1897.
Washington ..... *Seattle*
Howard N. Waterman, 1900, Boston Block.
Wisconsin ..... *Milwaukee*
John K. Fish, 1894, Old Insurance Bldg.
Wyoming ..... *Cheyenne*
Charles F. Mallin, 1894.
District of Columbia..... *Washington*
Phillip E. Winter, 1883, 814 "A," South East.
Hawaii ..... *Hilo*
Carl S. Smith, 1896.
Japan ..... *Tokyo*
Abo Shiosuke, 1893.
Switzerland ..... *Lausanne*
Joseph S. Kennard.

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Jud. Dist. No.	Secretary	Address
2.	Aaron J. Gould	Bone Gap
3.	Hon. Wilbur M. Warnock, 1882	Edwardsville
4.	Charles H. Holt, 1892	Salem
5.	Frank C. Van Sellar, 1897	Paris
6.	Thomas N. Cofer, 1896	Charleston
7.	John A. Barber, 1897	Farmers' Nat'l Bank Bldg., Springfield
8.	John D. Gray, 1894	Havana
9.	Conrad G. Gumbart, 1895	Macomb
10.	Frank S. Fulton, 1897	419 Observatory Bldg., Peoria
11.	William L. McMahan, 1892	Lincoln
12.	Charles B. Campbell, 1897	27 Arcade Bldg., Kankakee
13.	Wellington H. Shay, 1894	Streator
14.	William J. Sweeney, 1895	Rock Island
15.	Solon W. Crowell, 1896	Oregon
16.	William M. Mercer, 1901	337 Coulter Blk., Aurora
17.	John E. Goembel, 1891	502 E. State St., Rockford

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1369 West North Avenue, Chicago, Illinois

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1184 West North Avenue, Chicago, Illinois

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23 Elaine Place, Chicago, Illinois

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Lansing, Michigan

GEORGE DANIEL OGLESBY, 1891.....*Secretary*
87 Lake Street, Chicago, Illinois

GEORGE H. ADAMICK, 1890.....*Treasurer*
189 Madison Street, Chicago, Illinois

TRUSTEES—CLARENCE R. REX, 1906; DANIEL F. HODSON, 1906; LESTER LEE RINK, 1906.

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Charleston, Illinois

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7151 Harvard Avenue, Chicago, Illinois

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631 Fullerton Avenue, Chicago, Illinois

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628 Foster Street, Evanston, Illinois

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720 Clark Street, Evanston, Illinois

Josephine Frances McGarry, 1902.....*Annalist*
451 Dayton Avenue, Chicago, Illinois

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William T. Scott, 1893.....*First Vice-President*
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Reese B. Kester, 1892.....*Secretary-Treasurer*
Amary S. Haskins, 1893.....*Assistant Secretary*
William Bernard Norton, 1882.....*Annalist*
Executive Committee—Charles M. Stuart, J. S. Ladd Thomas, William M. Ewing.

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72 Mt. Vernon Street, Boston, Massachusetts

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27 Rutland Square, Boston, Massachusetts

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1334 Columbus Road, Washington, D. C.

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Washington, D. C.

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1324 Fairmont Street, N.W., Washington, D. C.

Francis Asbury Springer, 1860.....*Treasurer*
1842 Ingleside Terrace, Washington, D. C.

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157 Greenwood Avenue, East Orange, New Jersey

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120 West Fourteenth Street, New York

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150 Fifth Avenue, New York

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Columbia University, New York

Northwestern Club of St. Louis

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5262 McPherson Avenue, St. Louis, Missouri

JOHN J. LINK, 1890.....*Vice-President*
M. and J. Building, St. Louis, Missouri

MILTON FRYE, 1903.....*Secretary*
McKinley High School, St. Louis, Missouri

ENOS ROLLIN BARNES, 1893.....*Treasurer*
4049 Botanical Avenue, St. Louis, Missouri

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Spokane Falls, Washington

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Spokane, Washington

ALICE HURN .....*Secretary*
1228 Eleventh Avenue, Spokane, Washington

NINA WILLIAMS .....*Treasurer*
Spokane, Washington

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Benson, Illinois

MARY MANLEY .....*Vice-President*
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CHAUNCEY LAWDER STRATTON, 1907.....*Secretary-Treasurer*
Mt. Vernon, Illinois

Northwestern Club of Seattle, Washington

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Seattle, Washington

HARRY LOGAN GEARY, 1906.....*First Vice-President*
1704 Sixteenth Avenue, Seattle, Washington

JAMES HAROLD HANCE, 1901.....*Second Vice-President*
University Station, Seattle, Washington

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210 Eitel Building, Seattle, Washington

Northwestern Club of California

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Pacific Grove, California

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San Francisco, California

GEORGE A. WOOD, 1905.....*Treasurer*
1458 Sutler Street, San Francisco, California

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Lucknow, India

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Cawnpore, India

BENJAMIN RUSSELL BARBER.....*Secretary-Treasurer*
Calcutta, India

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WILEY JAMES SHANNON.....*Treasurer*
RALPH EMERSON HEILMAN, A.M.....*General Secretary*

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MELISSA ELMORE FOSTER.....*Vice-President*
WINIFRED SIBERTS .....*Treasurer*
EDITH MILDRED PRITCHARD.....*Recording Secretary*
NINA ELEANOR VEST, A.B.....*General Secretary*

Young Men's Christian Association of the Medical School

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ASHLEY MARTIN FIRKINS.....*Treasurer*
GUSTAVE WITTMEYER, JR.....*Recording Secretary*

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WILLIAM WARREN MCMASTER.....*School of Pharmacy*
FREDERICK HOLMES WITTENBROOK.....*Dental School*

Phi Beta Kappa

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WILFRED FITCH BEARDSLEY, 1893.....*Vice-President*
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ROY CASTON FLICKINGER, 1899.....*Corresponding Secretary*
FRANK ELMER LORD, 1883.....*Treasurer*

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Edwin Almiron Greenlaw, 1897
George Peck Merrick, 1884
David Decamp Thompson

Anna Olivia Anderson
Albert Ralph Beyer
Martha Edna Brodby
Earle Avann Bronson
Harriet Kendall Burr
Florence Julia Butz
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May Hughes
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Joseph Ray Banister*
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Newell Clark Gilbert
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Miner Raymond
Gilbert Henry Andrew Rech
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*Deceased.

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Trustees		40
Officers of Administration		27
Members of Teaching Staff		358
College of Liberal Arts	72	
Medical School	131	
Law School	21	
School of Pharmacy	12	
Dental School	36	
School of Music	23	
Evanston Academy	19	
Elgin Academy	13	
Grand Prairie Seminary	12	
School of Oratory	9	
Garrett Biblical Institute	7	
Swedish Theological Seminary	2	
Norwegian-Danish Theological School	1	
Other Officers and Librarians	32	
		457
Deduct names counted twice		43
Total		412

Degrees Conferred 1907

Degrees Awarded		514
Honorary Degrees	4	
Doctor of Laws	2	
Doctor of Divinity	1	
Master of Arts	1	
Degrees in Course	510	
Doctor of Philosophy	1	
Master of Arts	16	
Master of Science	3	
Bachelor of Arts	69	
Bachelor of Science	68	

Forward		514
Doctor of Medicine	132	
Bachelor of Laws	52	
Pharmaceutical Chemist	9	
Graduate in Pharmacy	72	
Doctor of Dental Surgery	88	
Diplomas Awarded		43
Graduate in Music	3	
Diploma in Music	3	
Graduate Nurse	37	
		557
Deduct names counted twice		11
Total		546

Students

College of Liberal Arts			1184
Graduate Students		56	
Fellows	6		
Graduates, Resident	47		
Graduates, Non-Resident	3		
Undergraduate Students		1001	
Candidates for a Bachelor's Degree	877		
Not Candidates for a Degree	47		
Registered in Other Departements	77		
Extension Courses		127	
Special Courses for Teachers	69		
Finance and Accounting	58		
Medical School			684
Fourth Year (Senior Class)	137		
Third Year	125		
Second Year	109		
First Year	132		
Special and Graduate Students	181		
Law School			274
Third Year	83		
Second Year	70		
First Year	80		
Special and Graduate Students	41		
School of Pharmacy	160		160
Dental School			357
Third Year (Senior Class)	164		
Second Year	74		
First Year	74		
Special and Graduate Students	45		

Forward			1975
School of Music			321
Students in Regular Courses	180		
Special Students	141		
Deduct names counted twice			171
Total in Departments Conferring Degrees			2809
Departments Not Conferring Degrees			1276
The Evanston Academy		554	
School of Music, Preparatory Department		86	
School of Oratory, omitting names entered elsewhere		234	
Grand Prairie Seminary		217	
Elgin Academy		185	
Deduct names counted elsewhere			235
			3850
Total in all departments of the University, exclusive of Theological Schools			
Theological Schools co-operating with the University			
Garrett Biblical Institute		170	
Degree Course	54		
Diploma Course	92		
Special Students	28		
Swedish Theological Seminary		30	
Norwegian-Danish Theological School		18	
		218	
Deduct names counted twice		8	
Total in Theological Schools		210	210
			4060
Deduct duplicates between Theological Schools and other departments			24
Total for the year 1907-08			4036

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